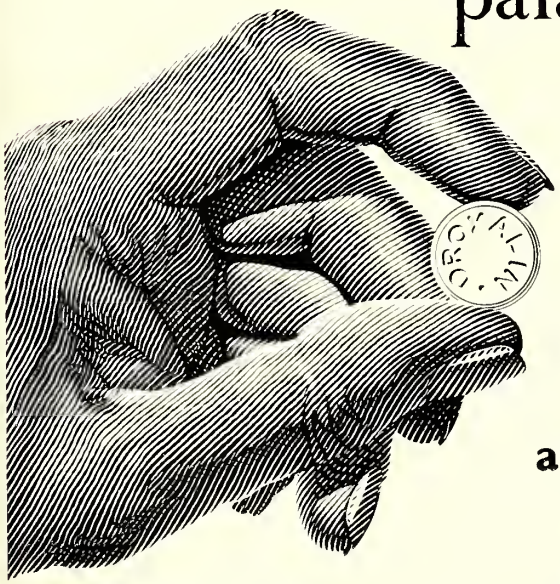
The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

AUGUST 15 1959

palatability
in gastric ulcer



IN TABLET

and

IN LIQUID FORM

DROXALIN ACID ADSORBENT

ACTIVE INGREDIENTS
Gelat. Alumin Hydrox. Sicc 2·5 grains
Mag. Trisil. 2·5 grains

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ALKALOIDS

and allied products

Specification sheets for each of the products listed are available on request.

ARECOLINE HYDROBROMIDE
ATROPINE METHONITRATE
ATROPINE SULPHATE
CAFFEINE CITRATE
CANTHARIDIN
CODEINE PHOSPHATE
COLCHICINE SALICYLATE
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HOMATROPINE ALKALOID
HOMATROPINE HYDROBROMIDE
HOMATROPINE HYDROCHLORIDE
HOMATROPINE METHYLBROMIDE
HYOSCINE HYDROBROMIDE
HYOSCINE METHYLBROMIDE
HYOSCYAMINE ALKALOID
HYOSCYAMINE HYDROBROMIDE
HYOSCYAMINE HYDROCHLORIDE
HYOSCYAMINE SULPHATE
MORPHINE SULPHATE
PICROTOXIN
PILOCARPINE HYDROCHLORIDE
PILOCARPINE NITRATE
SALICIN
SANTONIN
STRYCHNINE ALKALOID
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Pressure Packed

Polybactrin

Antibiotic Powder Spray

This new presentation of POLYBACTRIN is the result of intensive research into the mechanics of pressure packing antibiotics in powder form. While the formula and potency of POLYBACTRIN remain unchanged, radical modification of the valve mechanism and design of the unit provides the following advantages:—

NEW positive directional, wide-angle spray gives wider coverage of the area under treatment.

NEW all metal container provides additional safety

NEW special valve eliminates impacting of powder and clogging of nozzle

The use of Polybactrin during surgical procedures is a positive method of inhibiting any wound pathogens which may become implanted in the tissues.

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Each gramme contains:

Neomycin Sulphate	500 mg.
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Zinc Bacitracin	25,000 units

Pressurised with inert chloro-fluorohydrocarbon propellants

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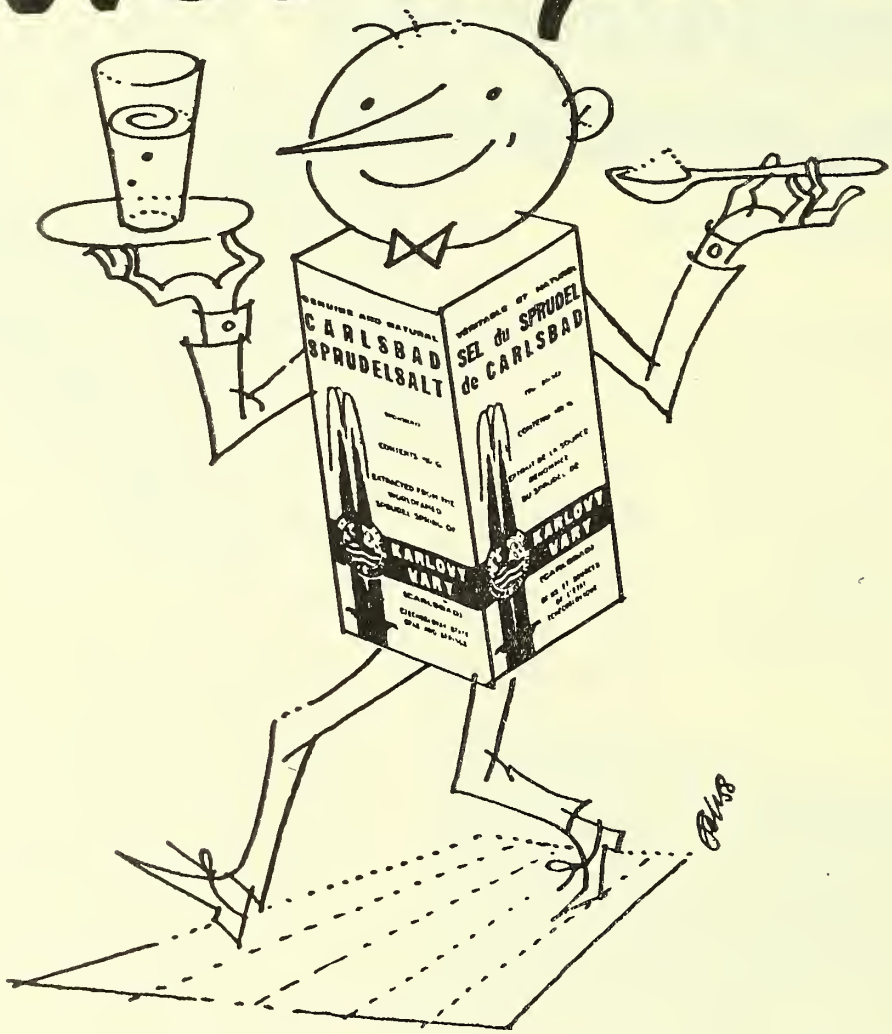

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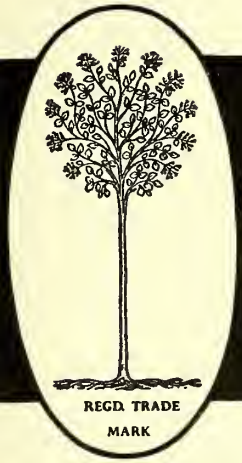

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★ *Starnaps are big sellers in Norway and Belgium*

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INDEX TO ADVERTISERS

Adams National Industries, Ltd. 36
Albro Fillers & Engineering Co., Ltd. 34
Aspro-Nicholas, Ltd. 6

Bakelite, Ltd. 31
B. & P. Laboratories, Ltd. 34
Barker, Robert, & Son, Ltd. 43
Barnett & Foster, Ltd. 38
Beatson, Clark & Co., Ltd. 14
Bencard, C. L., Ltd. 41
Berkeley Perfumery Co., Ltd. 4
Borax Consolidated, Ltd. 42
Boutalls Chemists, Ltd. 43
Box, W. H. 43
Brook, Parker & Co., Ltd. 43
Brown, N. C., Ltd. 38
Burrough, James, Ltd. 4
Burroughs Wellcome & Co. 24

Calmic, Ltd. 1
Calmic, Ltd., 'Greba Tweezers' 38
Carnegie's of Welwyn, Ltd. 3
Cartwright, W. B., Ltd. 5
Chemapol 2
Christy, Thomas & Co. 7
Cox, Arthur H., & Co., Ltd. 8
Cuxson, Gerrard & Co., Ltd. 21

Daniel, Richard, & Son, Ltd. 21

Easipower (Appliances), Ltd. 12

Felling Zinc Oxide Co., Ltd. 40
Foster-McClellan & Co. 8
Fryer & Co. (Nelson), Ltd. 43
Furman, B. N. (Productions), Ltd. 40

George, Ernest J., & Co. .....Classified Section
Glaxo Laboratories, Ltd. .....Interleaved Edit., 69
Golden, Ltd. 16
Granose Foods, Ltd. 40

(continued overleaf)

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a special announcement

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Tablets, liquids, powders, ointments, toilet products, Ethical and Proprietary.

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INDEX (cont.)

Hampshire, F. W., & Co., Ltd. 22
Herbert & Sons, Ltd. 40
Hoechst Chemicals, Ltd. 39
Hydra Sponge, Ltd. 4

Ilon Laboratories 39
Imperial Chemical Industries, Ltd., Pharmaceuticals Division ..... Cover iv
International Bottle Co., Ltd. 37

Jeffreys Miller & Co., Ltd. 43

Kearsley, C. G., Ltd. 43
Kimberly-Clark, Ltd. 17

Lederle Laboratories Division .... Interleaved Edit., 25

Macarthys (Wholesale Chemists), Ltd. 7
Mallpas Pharmaceutical Co. 35
Manesty Machines, Ltd. 30
Matthews & Wilson, Ltd 11
Mawson & Proctor, Pharmaceuticals, Ltd. 29
May & Baker, Ltd. 18, 19
Meggeson & Co., Ltd. 13
Modern Electrical Industries, Ltd. 32, 33

National Glass Works (York), Ltd. ..... Cover iii

Orridge & Co., Ltd. ..... Classified Section

Pascall-Knight (Guavin) 23

Rank Precision Industries, Ltd. 10
Rapidol, Ltd. 20
Riddell Products, Ltd. 42
Roberts Windsor, Ltd. 4
Robinson & Sons, Ltd., 'Nikini' .... Interleaved Edit., 70
Robinson Brothers, Ltd. (Cork Growers) 38

Scholl Mfg. Co., Ltd. 10
Scott & Turner, Ltd. ..... Front Cover
Smith & Hill (Chemists), Ltd. 36
Smith, T. & H., Ltd. ..... Cover ii
Starnaps, Ltd. 4
Sutton, W., & Co. 9

Torbet Lactic Oat Co., Ltd. 36

Vitamins, Ltd. 20, 28

Webster, Isaac, & Sons, Ltd. 36
Wilkinson Sword Co. 15
Woolf, Lewis, Ltd. 30

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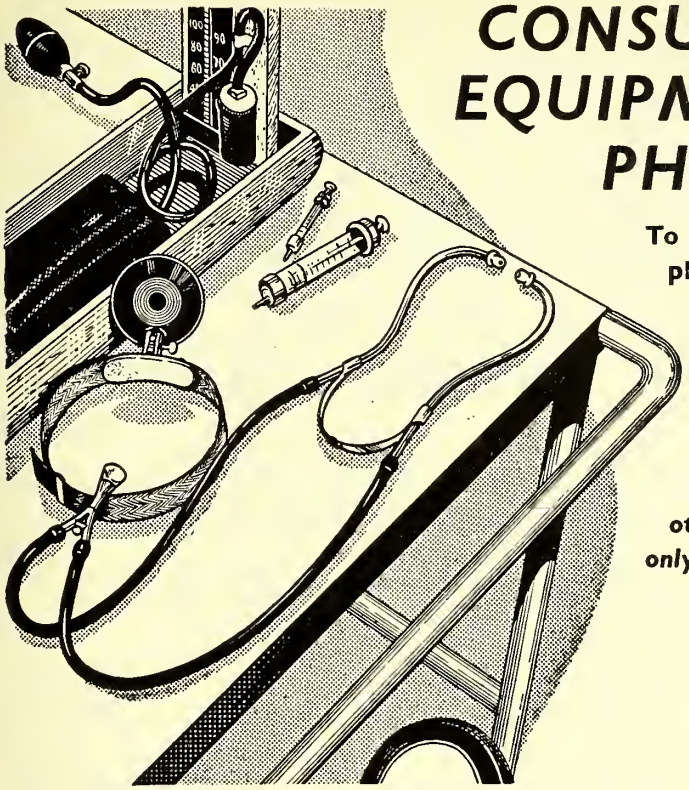
PACK	PACK IN DOZENS	POINTS VALUE PER PACK	TRADE PRICE PER PACK	PARCEL PRICES PER PACK 30-49 POINTS	50-89 POINTS	90-129 POINTS	130-159 POINTS	160-249 POINTS	250 POINTS AND OVER
Pocket Pack	6 doz. box	5	*21/6	20/5	19/11	19/4	18/10	18/10	18/10
Handy Pack	1½ doz. box	4	*21/7	20/6	20/-	19/5	18/11	18/11	18/11
Handy Pack	3 doz. box	8	*43/2	41/-	40/-	38/10	37/10	37/10	37/10
Family Pack	1 doz. box	5	*25/5	24/2	23/6	22/10	22/3	22/3	22/3
		TERMS IN CODE		1	2	3	4	5	6

*Subject to 25% Purchase Tax on the Trade Price

RETAIL PRICE Pocket Pack 6d Handy Pack 1/10 Family Pack 3/3

The above changes became effective as from 1st August, 1959

ASPRO-NICHOLAS LIMITED · BATH ROAD · SLOUGH · BUCKS



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is an essential stand-by for sunburn soreness. Gently cool, it soothes the reddened areas and gives immediate relief.

Summer sales of Christy's Emulsion are likely to be very considerable. Make sure you have ample stocks to meet the demand. Eye-catching Christy's Emulsion Showcards are available from your usual suppliers.

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SOLUBLE ASPIRIN TABLET

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Manufacturing Chemists
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ENGLAND

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IN FORCE 1st AUGUST 1959

The PRICES of DOAN'S PREPARATIONS have remained basically unchanged for many years and it is with regret that we find it necessary to make the upward revisions set out below.

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	Best Terms (£5 min.) per doz.	50/- parcels per doz.	Small lots per doz.	
Doan's Backache Kidney Pills	12/9	13/9	14/3	1/10
,, ,, ,, ,,	28/–	30/–	31/6	4/–
,, ,, ,, ,,	45/6	48/6	51/–	6/6
Bilax (Laxative Liver Pills)	12/9	13/9	14/3	1/10
,, ,, ,, ,,	28/–	30/–	31/6	4/–
Doan's Ointment	12/9	13/9	14/3	1/10
,, ,,	23/6	25/–	26/3	3/4
Mentex (Embrocation & Inhalant)	12/9	13/9	14/3	1/10

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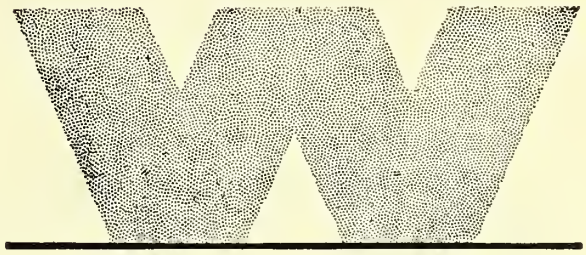

an exceptional range of

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. . . . . exceptional because of its coverage of products.

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Established as far back as 1914 but brought up to date and perfected throughout the years. All goods packed in this division are handled under the most expert and strict supervision.

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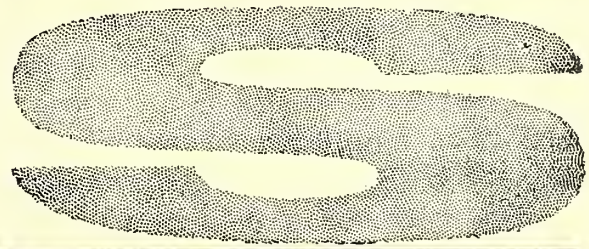
longest established-most progressive



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DRUGGISTS SUNDRIES LONDON
LIMITED

HORSESHOE LANE, ENFIELD, MIDDX.
Enfield 4747 (Private Branch Exchange)

also Albert Road, Newbury, Berks
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Elastic Bandaging without Skin Irritation

PoroPlast considerably reduces the risk of skin irritation which often associates with the use of ordinary elastic adhesive bandages. It contains no rubber and none of the irritating natural resins or solvents usually embodied in adhesive plaster.

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PoroPlast

PoroPlast is now being advertised regularly to the Medical Profession

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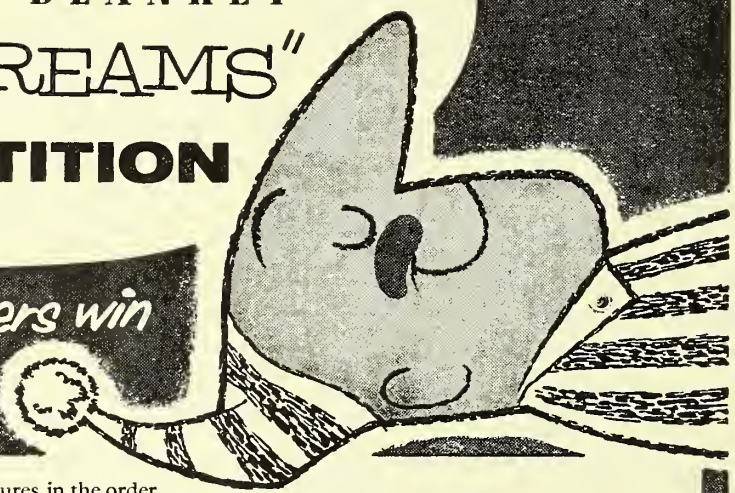
—and your customers win your share for you



All they do is put Dreamland's special features in the order they think best — there's an entry form packed with every Dreamland Blanket you sell!

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– 60-second participations in the popular Advertising Magazines, reaching over *7,500,000 homes*

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– big spaces in the magazines that command the women's market, reaching almost *5,000,000 women*

—AND HERE'S STILL MORE GOOD NEWS!

5% EXTRA DISCOUNT

ON ALL DREAMLAND ORDERS. Yes on *all* orders: so send yours to your usual Wholesaler as early as possible. And with your first stock of Dreamland — the super-size blankets that warm the whole bed — will come a special Showcard to link *your* shop with the easy-to-enter "Sweet Dreams" Competition.

EASIPOWER APPLIANCES LIMITED · 30 HIGH STREET · SOUTHAMPTON · HANTS · TEL: 27947/8

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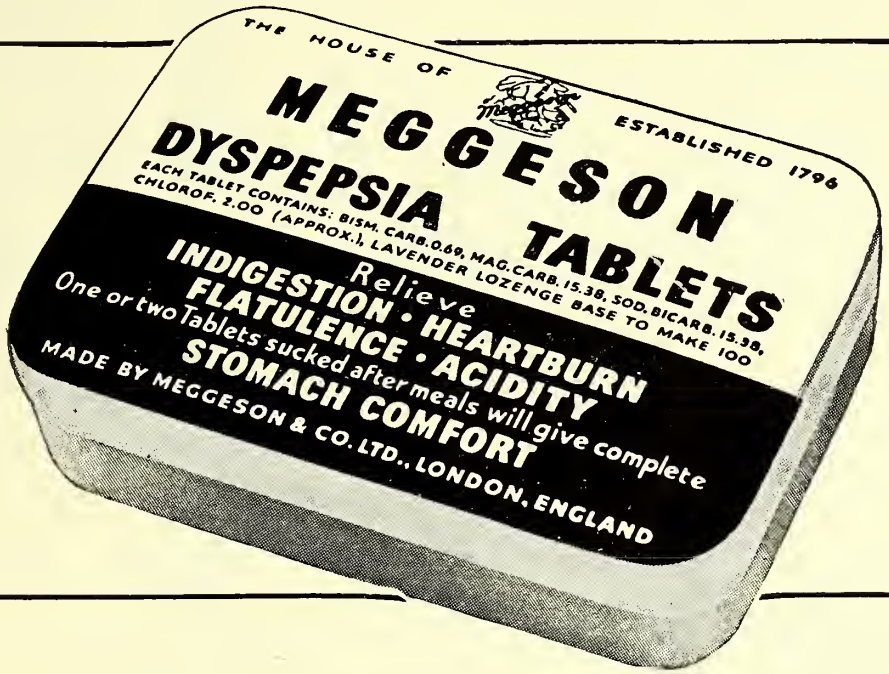

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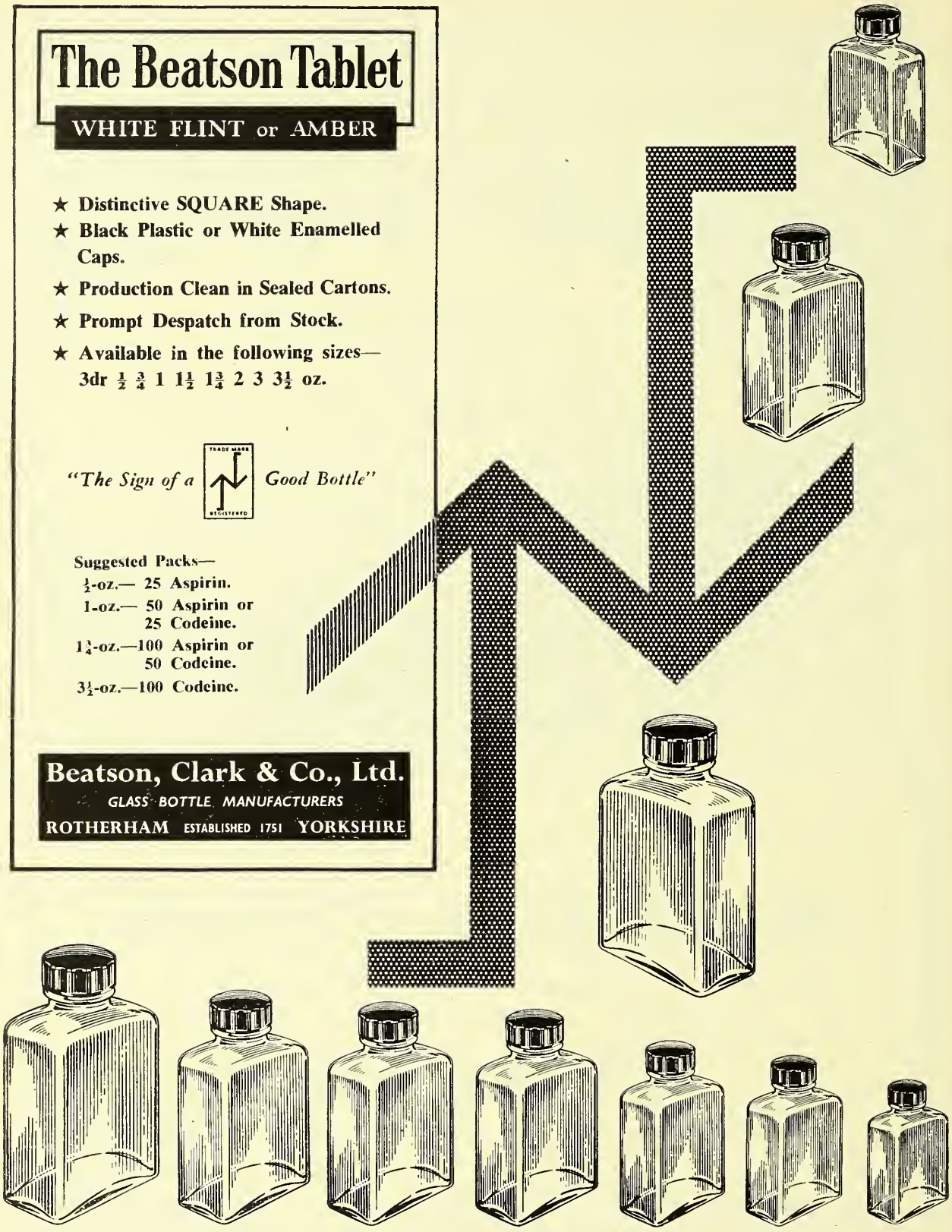
★ **Distinctive SQUARE Shape.**
★ **Black Plastic or White Enamelled Caps.**
★ **Production Clean in Sealed Cartons.**
★ **Prompt Despatch from Stock.**
★ **Available in the following sizes—**
3dr ½ ¾ 1 1½ 1¾ 2 3 3½ oz.

"The Sign of a *Good Bottle"*

Suggested Packs—
½-oz.— 25 Aspirin.
1-oz.— 50 Aspirin or 25 Codeine.
1¾-oz.—100 Aspirin or 50 Codeine.
3½-oz.—100 Codeine.

Beatson, Clark & Co., Ltd.
GLASS BOTTLE MANUFACTURERS
ROTHERHAM ESTABLISHED 1751 YORKSHIRE



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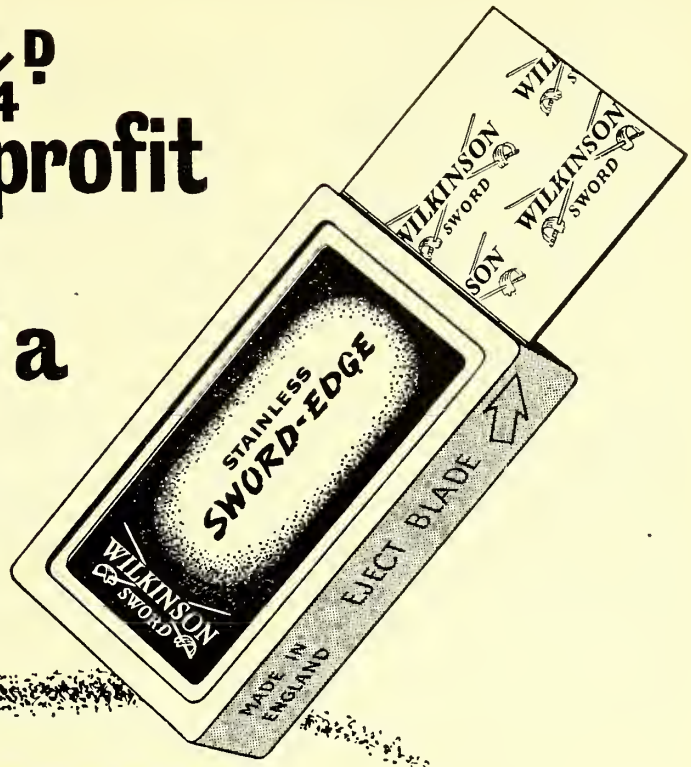

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RAZOR BLADES.

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MERSEYSIDE • WEST YORKSHIRE • TYNESIDE • CLYDESIDE • SOUTH WALES

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THESE ARE THE SELLING POINTS TO YOUR CUSTOMERS :

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Please send me full colour showcard for Stainless Sword-Edge razor blades in size as marked : 18" deep x 15" wide ☐ *4" deep x 6" wide* ☐

NAME .....

ADDRESS .....

To WILKINSON SWORD LIMITED · LONDON · W.4

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Color-Glo
is ringing up more profits each week than any other Hair Colouring

COLOR-GLO has created a new fast-growing market for semi-permanent hair colouring. COLOR-GLO is safe, simple and effective to use. Natural-looking with no risk of extreme results. That's why it sells better than any other hair colouring. When women see you've got COLOR-GLO they'll buy. And be back—regularly—for more. So don't just stock COLOR-GLO, display eye-catching COLOR-GLO packs and showcards—and link up with the biggest ever COLOR-GLO advertising campaign

And now...
an even wider market with
BLACK TULIP (Deep Burgundy)
A new shade for dark hair giving a beautiful, deep, mahogany tone

Biggest ever Color-Glo advertising is this year reaching over 17,000,000 women

Color-Glo
TRADE MARK

The effect lasts through 6 to 8 shampoos

SEMI-PERMANENT HAIR COLOURING

A creation of L'OREAL · PARIS

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Republic of Ireland enquiries to Lilmar Pharmaceuticals Limited, Santry, Dublin.

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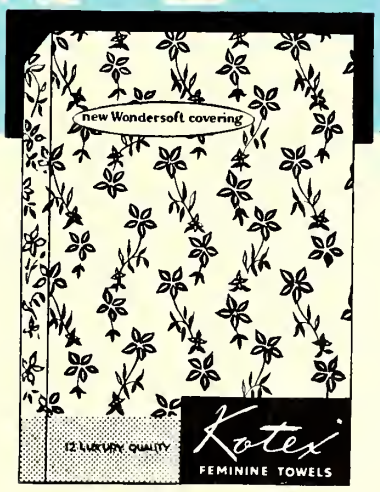
This full-page advertisement for New Kotex Feminine Towels will appear in full-colour and black-and-white in WOMAN, WOMAN'S OWN, WOMAN'S REALM, WOMAN'S DAY, AND WOMAN'S ILLUSTRATED . . . mass-circulation magazines which reach *nearly three-quarters of your women customers !*



NEW KOTEX . . . an *entirely new* kind of feminine towel, offering your customers an *entirely new* world of comfort and security. Women only need to try New Kotex once to buy it *always.*

NEW ADVERTISING . . . a nation-wide campaign in big spaces will sell New Kotex to millions of women—to *your* customers.

NEW PACK . . . designed to give 100% display value—flowered and feminine, so attractive to women.

NEW FREE GOODS OFFER

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Order through your wholesaler now or direct from: KIMBERLY-CLARK LTD., LARKFIELD, KENT. *Regd. T.M.

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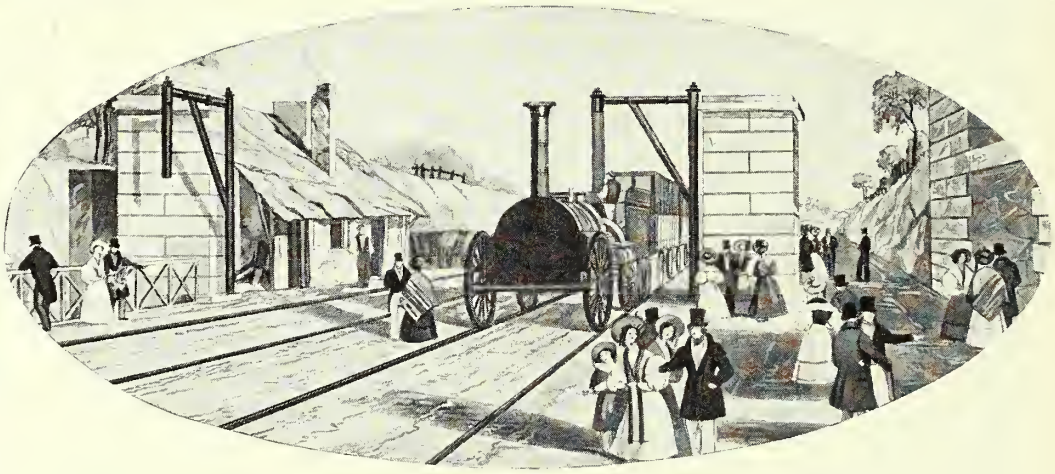

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The beginning of the steam railway system in England inaugurated a new era in British economy. Coinciding with this significant revolution was the establishment of the firm of May & Baker in 1834 — four years after the opening of the Manchester/Liverpool line. The expansion of the "railway mania" to Europe provided an impetus to exports and permitted the distribution of our chemicals to places hitherto remote. 125 years later, our contribution to the health of the world is even greater, and M&B brand chemicals are internationally renowned for their reliability and uniformity.

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RETAIL PRICE INC P.T. 3/10 PER BOTTLE

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Manufacturing Chemists

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MORE PROFIT!!!

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STOP PRESS! LATE EXTRA

commencing early October Loxene is to sponsor one of Radio Luxembourg's top-rating programmes reaching a 1,500,000 audience every week. More details will be published here later.

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Guavin is a delicious blend of the juices of South African guavas and sweet black grapes. It is richer by far than orange or blackcurrant juice in natural Vitamin C and rich, too, in energy-giving fruit sugars. No other fruit drink contains so much natural goodness.

RETAIL PRICE 3/-

Available through your wholesaler

PASCALL-KNIGHT LTD. (Est. 1931), CROYDON, SURREY

THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 172 August 15, 1959 No. 4147

CONTENTS

Bournemouth Conference Papers ... 59
Correspondence 60
Examination Results 64
Leading Articles:
Back to Normal Dimensions ... 61
The Seesaw of Prices 61
Natural and Synthetic Insecticides 61
New Products and Packs 53
"Open Shop" 63
Pharmaceutical Society of Ireland: Council Meeting 67
Pharmaceutical Society of Northern Ireland: Council Meeting 68
Prevention of Motion Sickness ... 62
Prices of Proprietaries 65
Protecting the User 59
Statutory Committee 66
Topical Reflections 51
Trade Notes 54

Business Changes ... 57
C. & D. Retail Price List 73
Coming Events ... 73
Company News ... 56
Deaths 58
Fifty Years Ago ... 62
In Parliament 56
Irish News 52
Makers' Activities ... 65
Marriages 58
New Companies ... 57
New Films 62
News in Brief 51
News of the Week ... 49
N.H.S. Statistics ... 68
P.A.T.A. 74
Personalities 58
Price Changes 74
Print and Publicity ... 73
Sport 51
Television 73
Trade Report 71
Wills 68
World Trade 68

INDEX TO ADVERTISERS, Pp. 5 & 6.
Classified Advertisements, p. 44.

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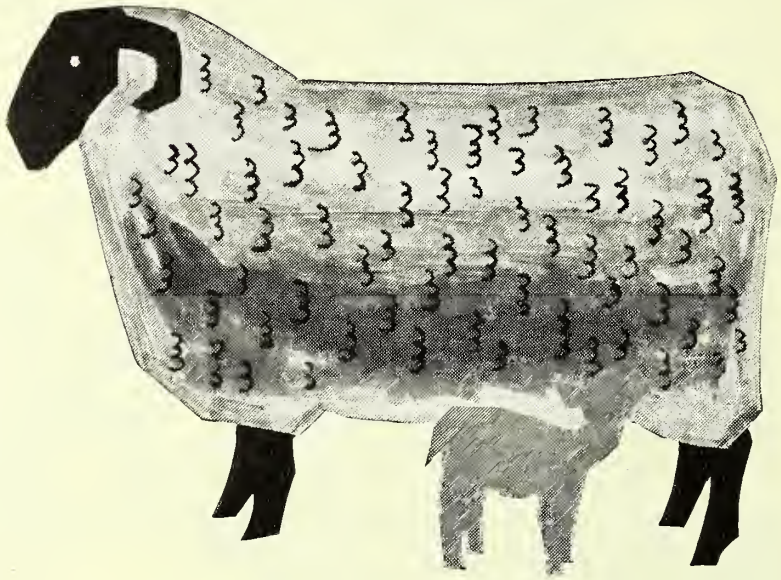

A new, combined protection against Lamb Dysentery & Pulpy Kidney disease from the Wellcome Research Laboratories

A considerable step forward has resulted from the introduction of 'Wellcome' Improved Lamb Dysentery Vaccine.
This new vaccine, given to ewes and gimmers in a dose of 2 c.c. will protect their new-born lambs, through the first milk, against pulpy kidney disease as well as lamb dysentery: the protection against pulpy kidney disease extends for the first eight to twelve weeks of life.
The use of this vaccine can be so adapted that it will afford protection in a breeding flock to the adult sheep themselves against pulpy kidney disease and "struck".
Order your supplies now, for the first dose of this vaccine should be used in unprotected flocks at "tupping" time.

'WELLCOME' BRAND Improved Lamb Dysentery Vaccine

VETERINARY PRODUCTS BW&CO

Bottles of 100 c.c. (50 doses) Prepared at the Wellcome Research Laboratories

BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

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The CHEMIST AND DRUGGIST

Volume 172 AUGUST 15, 1959 No. 4147

Prescribing in Australia

DRUG LIST EXTENDED: AND A 5s. CHARGE

THE list of drugs prescribable under the Australian Health Scheme is to be extended so that doctors will have a choice ranging virtually over the whole field of drugs and medicines.

Hitherto the limited list of prescribable drugs allowable under the scheme was provided free; under the new arrangements a charge of 5s. will be made for each prescription. That was announced in the new Australian Budget on August 11. The long-standing arrangements between chemists and the Commonwealth for payment for "life-saving" drugs is to be extended to a comprehensive range of medicines. The cost of general pharmaceutical benefits has risen from about £3 millions annually when the scheme commenced in 1950-51 to £18,450,000 in 1958-59 and the number of prescriptions has increased from 3,600,000 to an estimated 16 millions.

New Factories Act

ITS PROVISIONS AND APPLICATION

THE Factories Bill, which was introduced into the House of Commons in November 1958, received the Royal Assent on July 29. The new Act amends the Factories Acts, 1937 and 1948, and makes further provisions as to the health, safety and welfare of workers in factories and other places subject to the Factories Acts. The Act does not come into operation at once. The Minister of Labour intends, subject to consultations with interested organisations, to make an Order bringing about half of the provisions into operation on December 1, 1959. The new Act has three main objects: to improve the existing provisions with regard to fire precautions in factories: to place on the Minister of Labour and National Service the duty of promoting health, safety and welfare in places under the Factories Acts by collecting and disseminating information, and by carrying out, and assisting to carry out, investigations: and to revoke Defence Regulation 59, and replace it with a permanent, but more limited power to grant exemptions from the law regulating the hours of employment of women and young persons. In addition, the Act increases the maximum fines which can be imposed for contraventions of factory law, and strengthens certain existing safety provisions of the Factories Act, 1937.

Design Protection

INVESTIGATION INTO LAW

THE President of the Board of Trade has appointed a Committee under the chairmanship of Mr. Kenneth Johnston, Q.C., "to consider and report whether any, and if so what, changes are desirable in the law relating to the protection of industrial designs." In framing their recommendations the Committee have been asked to consider the desirability of enabling United Kingdom designs to receive cheap and effective protection in other countries on the basis of reciprocity. Those wishing to submit suggestions or evidence are invited to inform the Joint Secretaries, The Designs Committee, The Patent Office, 25 Southampton Buildings, London, W.C.2.

Bone Strontium Levels

U.K. RESULTS FOR 1958

THE United Kingdom Atomic Energy Authority has published a report on Radioactive and Natural Strontium in Human Bone, U.K. (results for mid- and late 1958) H.M. Stationery Office, 3s.

Bournemouth Conference

HEAVY BOOKINGS—BUT STILL ROOM

OVER 700 people have so far applied for tickets for the British Pharmaceutical Conference, Bournemouth, September 21–25. The Dublin Conference excepted, that is a record, but there is room for many more at all the meetings and social functions, and the local Committee can still offer excellent accommodation in category B or C hotels. Early application is, however, desirable. The play for which tickets

FROM NORTH AND SOUTH: Competitors awaiting their turn to "drive off" at the joint outing held by the Irish Chemists' Golfing Society and Ulster Chemists' Golfing Association held at Dundalk golf club, co. Louth, recently. Play was for the B.D.H. cup and other prizes presented by The British Drug Houses, Ltd.

are being offered as part of the Conference programme is a world première production of "The Eyes of Youth," by Ted Willis. All those attending the Conference who wish to be allotted tickets for the play are asked to inform the local Conference secretary (Mr. D. F. Smith, 12 Redhill Crescent, Bournemouth) without delay if they have not already asked for theatre tickets. Several of the excursions are fully booked but seats are still available on the following: Main excursion (Wednesday); ladies' excursions: Bournemouth Chines (Monday afternoon), Compton Acres (Friday morning only), New Forest (Friday morning only), Wimborne (Tuesday morning only), Christchurch (Tuesday afternoon and Thursday morning), Dorset lakes (Thursday morning only), Corfe Castle (Tuesday afternoon only).

Fewer Prescriptions

N.H.S. STATISTICS FOR 1958

THE total cost of the National Health Service for England and Wales in the financial year ended March 31, 1958, amounted to about £626 millions, which was about £41 millions more than in the previous year, states the Ministry of Health in a report on the service for the year 1958 published recently (H.M. Stationery Office, 15s. 6d.). Of that total, about £480 millions was met by the exchequer. Chemists dispensed 203,384,933 prescriptions during the year at a total cost of £65,475,490 which averaged 6s. 5·26d. a prescription. The number dispensed was nearly four millions fewer than that for 1957 which was the lowest since 1949. The total cost was over £4½ millions more than in 1947 due to an increase of 6½d. in the average prescription cost. The increase, the report says, must be largely attributed to the prescribing of newer and more expensive drugs. Some of the statistics are to be reproduced in tables and are being published in THE CHEMIST AND DRUGIST.

Packaging Terms

A NEW BRITISH STANDARD

AVAILABLE from the British Standards Institution, 2 Park Street, London, W.1, is a "British Standard Glossary of Packaging Terms" (B.S. 3130:1959, pp. 108, price 20s.). The glossary is divided into sixteen sections, each dealing with either a specific material or an allied subject, with, for certain purposes, various subsections. A comprehensive index makes the Glossary easy to use.

British Medical Research

OVER £3 MILLIONS SPENT IN 1957-58

EXPENDITURE by the Medical Research Council in 1957–58 totalled £3·4 millions according to the Council's annual report published recently (H.M. Stationery Office, price 13s.). The Council acknowledges a generous grant by the Wellcome Trust, for the construction of the river launch "Lady Dale" in Gambia; and contributions by the Eli Lilly Co., Indianapolis; Lederle Laboratories division of the American Cyanamid Co.; and Rockefeller Foundation. The report makes mention of a scholarship award, under the French exchange collaboration, to Mlle. Marie-Cécille Jendrot from the Paris Faculty of Pharmacy. Mlle. Jendrot came to Britain to study lignocaine analogues under Dr. K. Bullock at Manchester University's pharmacology department. London University's school of pharmacy is also mentioned (as one of the centres to receive a scholarship winner to be trained in research methods).

ANTI-DUMPING APPLICATION.—The Board of Trade is considering an application for the imposition of anti-dumping duties on sulphate of ammonia imported from Belgium and Western Germany.

SULPHURIC ACID PRODUCTION.—Production of sulphuric acid by members of the National Sulphuric Acid Association Ltd., in the second quarter of the year amounted to 592,857 tons of 100 per cent. $H_2S.O_4$. The amount sold during the quarter was 603,221 tons.

TEST PRESCRIPTIONS.—The 1958-59 report of Surrey Executive Council indicates that test prescriptions for 209 samples of drugs and forty-three of appliances were investigated during the year. Eleven reports in respect of drugs or 4.4 per cent of all the tests were referred to the Pharmaceutical Committee for investigation. In eleven cases considered by that committee, the withholding of money was recommended in eight cases, and warnings were given in three other cases.

ALKALI ARSENITES.—A recent recommendation by the Ministry of Agriculture Fisheries and Food confirmed that the requirements of the Agriculture (Poisonous Substances) Regulations 1956-58 should remain unaltered in respect of alkali arsenites. Provided stringent precautions were taken during and after application, the use of alkali arsenites as a total weedkiller was acceptable. On present information, the use of those preparations as a haulm killer on potatoes should present no hazard to consumers, but preparations should not be used on any other crop. Users are advised by the Ministry to read and carefully follow the makers' instructions; employers should ensure that their workers know of the precautions and that they carry them out.

TRACE ANALYSIS REAGENTS.—The increasing need for chemical reagents with low limits of impurities, for use in polarography or for trace analysis, is being studied by a committee comprising representatives of the Animal Diseases Research Institute; Association of Public Analysts; British Polarographic Research Institute; British Cast Iron Research Association; Department of Scientific and Industrial Research interservices panel for physicochemical methods of analysis; Medical Research Council department for research in industrial medicine; Photoelectric Spectrometry Group; and Polarographic Society. Information upon the limits to which impurities can be tolerated and on estimated annual consumptions of reagents should be sent to W. J. Parker, B.Sc., A.R.I.C. 55 Oriental Road, Woking, Surrey, from whom a special questionnaire form may be obtained.

GUILD OF PUBLIC PHARMACISTS—The Pharmaceutical Whitley Council, Committee 'C', met on July 24 and discussed an offer by the management side in respect of group pharmacists and the claim recently submitted by the staff side. The staff side decided to defer discussion of the scale of allowances offered by the management side for group posts until a further meeting arranged for October 28, when it was expected the management side would be in a position to comment on the principles involved in the staff side's new claim.—Although welcoming the principle of a group pharmaceutical service within the National Health Service, the Guild strongly protests against the statement in the official memorandum (see *C. & D.*, May 2, p. 467) that in groups where only one chief pharmacist is employed, the appointment of a group pharmacist may not be necessary. The Guild considers that that statement, which generally will be interpreted as an instruction, adversely affects a number of chief pharmacists who for years have functioned as group pharmacists and have often been known by that title and even appointed as such. The Guild state that although it may well be argued that in such cases the points of the whole group are used when assessing salaries, that does not compensate adequately for the problems of maintaining an integrated and efficient service from a central department to numerous small hospitals, general or special, at distances of ten miles or more. The Guild has asked for an early meeting between its representatives and officials of the Ministry to discuss the problem and to consider specific instances.

P.A.T.A. COUNCIL MEETING.—A meeting of the council of the Proprietary Articles Trade Association was held on July 9, the president (Mr. N. C. Jeffery) in the chair. The president welcomed Mr. E. Leigh Davis (nominated by Vick International, Ltd.) to serve on the manufacturers' section. The company had been co-opted to fill a vacancy created by the resignation of E. R. Squibb & Sons, Ltd. The council received a report on price maintenance matters, covering the period March-June. During the period the Associations representatives made some 200 calls on behalf of manufacturer members and numerous test purchases were made. A number of manufacturers had received undertakings under seal to observe fixed price conditions. In most cases the P.A.T.A. had assisted the individual manufacturers in the service of price maintenance conditions on the traders concerned and had subsequently obtained evidence that the conditions were not being observed. One maker had been granted an injunction against a trader who had been found to be selling products at less than the manufacturer's fixed prices. Messrs. Waters, wholesale chemists, Darlington, co. Durham, were elected to membership of the wholesale section. The council confirmed the appointment (from October 1) of Mr. C. C. Green as deputy secretary. The next meetings of the sections and the full council are to be held on October 8. At a luncheon before the meeting the president, on behalf of the council, presented Mr. A. A. Stead, who retired recently, with an illuminated address expressing the council's appreciation of his services to the Association over a period of forty-eight years, and a wallet containing the proceeds of a testimonial fund to which all members of the council had subscribed.

NEWS IN BRIEF

THERE was an increase of 3,000 in the number of persons employed in the chemical and allied trades during June.

DURING an intensive search of the freighter Prome by customs officials recently, illicit consignments of 60 lb. of Indian hemp were found when the ship reached the Clyde from Rangoon.

CONSIDERATION is being given to revising the British Standard specifications for the following:—Electrically heated pads for use in hospitals; *pH* scale (B.S. 1647) and black and white disinfectant fluids (B.S. 2462).

THE United States Ambassador (Mr. John Hay Whitney) and Lord Shawcross are to be the principal speakers at the 1959 National Conference of the British Institute of Management to be held at Harrogate, November 17–19.

MR. E. J. Shellard (School of Pharmacy, Chelsea College of Science and Technology) will be in Poland from August 25 for about a month, visiting the pharmacognosy department of the Medical Academy, Warsaw. He is also visiting schools of pharmacy in other parts of Poland.

A NEW Board of Trade standard metric measure of 25 mils was introduced on August 5, after approval had been given by an Order in Council—the Weights and Measures (Board of Trade Standard 25 millilitres) Order, 1959 (H.M. Stationery Office, price threepence).

THE World Health Organisation committee on professional and technical education of medical and auxiliary personnel, recently prepared a list of laboratory experiments, demonstrations and practical work in the field of radiation that might profitably be included in the medical curriculum.

SPORT

Golf.—SOUTH LONDON AND SURREY PHARMACISTS' GOLFING SOCIETY, at Croham Hurst, on July 15. Fifty members and visitors attended. *J. L. Wrathall Tankard*, M. Bloodworth, Walton Heath, 35. *Ucal Challenge Cup*, 1, B. Dunning, Addington Court, 40; 2, B. Stephenson, Beckenham, 39; 3, R. Hedges, Langley Park, 37. *Visitors*, 1, H. Coe, Shirley Park, 43; 2, F. Dawes, Shirley Park, 40.

LIVERPOOL CHEMISTS' GOLFING SOCIETY, at Prenton golf club on July 15. *Hough Hoseason Trophy*, G. Vaggers (20), 68; *Pfizer Prize*, B. Gould (8), 71; *L.C.G.S. Prize*, W. Meton (15), 72.

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY v. BIRMINGHAM CHEMISTS, at Hawkstone Park, on July 19. Taking the aggregate of the eight best cards Birmingham won the *B.D.H. Trophy* by 10 strokes. On July 22, Hough Hoseason & Co., Ltd., entertained the Manchester Society at Bramhall. F. C. Baines won the *Hough Hoseason Trophy*.

IRISH CHEMISTS' GOLFING SOCIETY and ULSTER CHEMISTS' GOLFING ASSOCIATION, joint outing at Dundalk, on June 28. Prizes were presented by The British Drug Houses, Ltd. *First Strokes (and B.D.H. Cup)*, C. Hall (17), 67; *Second Strokes*, C. Donnelly (15), 68; *Third Strokes*, C. Brady (14), 69; *Best First Nine*, J. Jeffares; *Best Second Nine*, B. Magnier; *Best Gross (Class 1)*, B. Smith, 79; *Best Gross (Class 2)*, P. Morgan, 86. It was agreed to hold a similar outing each year in future.

IRISH CHEMISTS' GOLFING SOCIETY, at Delgany, on July 22. Prizes were presented by Kodak, Ltd. and Aspro-Nicholas, Ltd. *First Strokes*, P. McAuliffe (15), 63; *Second Strokes*, J. Howard (17), 64; *First Bogey*, J. Power (9), 4 up; *Second Bogey*, J. Bourke (11), 3 up; *Best First Nine*, A. Hennessy; *Best Second Nine*, S. Donnelly.

TOPICAL REFLECTIONS

By Xrayser

A firm promise

Replying to a debate on the Health Service on July 15, the Minister of Health (Mr. D. Walker-Smith) dealt with the question of the abolition of prescription charges. The Hinchliffe Committee, he said, had advised him to seek agreement with the medical profession that the amount of drugs supplied on one prescription should be limited to one week's supply if the patient's illness was expected to last less than seven days. It also recommended a trial period of two years. If a voluntary scheme of that kind proved successful in controlling expenditure on drugs, said the Minister, it might be expedient to consider the abolition of the prescription charge. The Government, he went on, regarded the recommendation as a constructive approach, and would, if such a scheme proved successful, consider whether the saving justified the abolition of the charge at the end of the two-year period, "in the context of the results of the scheme, the finances of the Health Service and all other relevant circumstances." So we may look forward with confidence to being relieved of the duties of unpaid tax-collector *if* the medical profession agrees; *if* the finances of the Health Service can stand it; and *if* all other relevant circumstances (unspecified) permit. Nothing could be firmer than that unless perhaps it were the promises of the Opposition, which has lately been so strongly advocating the abolition of the charge and promising that, if returned to power, it would give the matter priority.

No reprieve

Communication and comment have been difficult in recent weeks, but you are to be commended for the splendid efforts to keep your readers informed on matters of importance. Among the items reported in the various emaciated issues, I note that the Law Committee of the Council of the Pharmaceutical Society has not found itself able to accede to the overwhelming demand expressed by the meeting of Branch Representatives to free the veteran members from payment of retention fees. The decision must have come as a pleasant surprise to the one representative who was reported to have opposed the motion, whatever feelings may have been evoked among the others who were present. One of the reasons advanced for the withdrawal of the earlier concession, which applied to those over seventy years of age who were no longer regularly engaged in pharmacy, was that its terms were vague and led to administrative difficulty. The resolution in May appeared to be broad enough to take care of that side of the problem. Consequently one is left with the feeling that finance may have played a part in the decision, though one might have been pardoned for wondering what finance had to do with the Law Committee. Perhaps fuller information on the reasons will be forthcoming before the next meeting of Branch Representatives in May 1960, otherwise we may be left with the uncomfortable feeling that only with the financial assistance of our veterans are we able to balance our budget.

Photo finishing

I have more than once expressed sympathy with those whose business it is to develop, print and enlarge. We have been favoured thus far with a particularly good summer, which means than an increased number of photographers have taken a larger number of films. Consequently the finisher's long summer days and evenings are spent in the darkroom, and we feel for him. On the other hand, in a summer such as that of 1958, he could take time off from the workshop and walk the streets gloomily in company with thousands of potential customers—conscious of the fact that such a day, while bringing leisure, was financially unrewarding. Does he never see the sunshine except in photographs? Perhaps in busy spells he admires the sunrise on his way home to bed, while his slothful customers lie in comfort and blissful repose. Recently a spokesman for a large company declared that the growing popularity of colour photography had not been (in their experience) at the expense of black and white. I wonder if that state is general?

IRISH NEWS

THE NORTH

Graduation Ceremony

PRESENTATION OF CERTIFICATES

CERTIFICATES of qualification were recently presented by the president of the Pharmaceutical Society of Northern Ireland (Mr. H. G. Campbell) to those who were successful in the Society's Final Part II Qualifying examination held in June. Addressing the successful candidates, Mr. Campbell said that it would be essential for them to continue their reading and keep well informed on advances in pharmaceutical

Messrs. P. W. I. O'Reilly, T. S. Donnelly, H. G. Campbell (president, Pharmaceutical Society of Ireland) and W. T. Hunter (chairman, associates' section, Ulster Chemists' Association).

knowledge. He urged them to become acquainted with the "Statement Upon Matters of Professional Conduct" issued by the Society and to assist each other as much as possible. They should take an interest in the work of the Society because in future years they would, he hoped, be taking a part in pharmaceutical affairs and perhaps even serving as members of the Council. The president congratulated Mr. Timothy S. Donnelly, Cookstown, who had been awarded the gold medal by the Council. To obtain that an overall average of at least 75 per cent. of the possible marks had to be obtained and he was sure those present would appreciate the honour Mr. Donnelly had gained. The John A. M. Shaw prize for pharmacognosy was awarded to Mr. Samuel Slaine, Cookstown. Prizes awarded by the associates' section of Ulster Chemists' Association were presented by Mr. W. T. Hunter (chairman of the section) to Mr. Donnelly (for pharmaceutics) and to Mr. P. W. I. O'Reilly, Lisnaskea (for physics). After the presentations the successful candidates and their guests were entertained by the Council. Mr. Donnelly thanked the Council for their hospitality.

Society's New By-laws

SPECIAL MEETING APPROVES DRAFT

A SPECIAL meeting of the Pharmaceutical Society of Northern Ireland was held in Belfast recently to discuss drafts of proposed new by-laws. Mr. H. G. Campbell (president) explained that previously the matters dealt with in the by-laws had been included in the regulations made by the Council of the Society. New regulations would shortly be submitted to the Minister of Home Affairs and certain matters covered in the proposed new by-laws had been deleted from those regulations. After a lengthy discussion it was agreed on the motion of Mr. J. A. Brown, seconded by Mr. A. W. Kernahan, that the draft by-laws as amended be approved.

Health Services Board

A CHEMIST WARNED FOR ADVERTISING

THE Northern Ireland General Health Services Board at its July meeting endorsed a recommendation of the pharmaceutical services committee that a chemist, alleged to have advertised either directly or by implication that he provided pharmaceutical services under the Act, was in breach of his terms of service and should be warned. The chemist said the advertisement complained of, the last in a series covering three months, was the only one which referred to any rota arrangement. He had been on a rota service when he telephoned the advertisement to a newspaper and unthinkingly included that fact. The committee also reported on their investigation into a complaint by a patient against a firm of chemists. The patient said that after presenting a prescription for two elastic ankle supports to the firm, she was measured for the anklet, which the chemists said they would order, as they had not her size in stock. When she called to collect the anklets the chemists had only one, which she took. When she tried it on at home it was too tight. She called at the chemists again and asked them to order the second support wider. When she received the second it was longer but no wider and when she pointed this out the chemists "showed no interest and in the end told the assistant to give me back my five shillings." A representative of the chemists stated at the hearing that his firm did not take measurements when supplying anklets. It was normal practice to ask a patient the size she was used to getting and that was what happened in that case. He admitted that it was his fault that only one anklet was ordered initially. When that was received it was put on the ankle and the patient left. She returned again in a month's time and said the first anklet was far too tight and asked that the second, which had since been ordered, be supplied in a larger size. A larger size was supplied and in a week's time the patient returned again and said the second anklet, although longer, was no wider. The committee had examined the anklet and compared it with the larger size and other standard sizes. The committee's recommendation that the chemists were not in breach of their terms of service and that the complaint should be dismissed was approved by the Board. An Annalong chemist notified the Board that he had had to close his branch shop because his qualified assistant had left and he had been unable to replace him. Pharmaceutical representatives said there were no other pharmacists in the area and there was a lack of them in many other areas. The Board went into committee to discuss the withdrawal of Grattan & Co., Ltd., Cornmarket, Belfast, from their pharmaceutical list.

A recommendation that payment should be made of £215,240 6s. 6d. for pharmaceutical services was agreed.

THE REPUBLIC

Examination Results

PHARMACEUTICAL SOCIETY OF IRELAND

THE following candidates were successful in the Qualifying (Part II) July Licence examination held by the Pharmaceutical Society of Ireland: Thomas A. Bourke; Kathleen Broderick; Joan F. Burnell; Mrs. E. P. Butler; John A. Cahill; Thomas J. Cahill; Nora M. Carron; Andrew Coleman; Dympna Cooke; Mrs. M. D'Arcy; William M. Dolan; Eugene Gilsenan; Thomas A. Hogan; Teresa Hunt; James Kennedy; Ellen Killian; Mrs. R. Lancaster; Vincent Ledwith; Daniel Lynch; Mrs. B. McCann; Mrs. M. McCarthy; Mary P. L. Molloy; Mrs. Anastasia Murphy; Mrs. Mary C. Murray; Mrs. Anne M. Nolan; Thomas J. Nolan; John O'Beirne; Mary U. O'Doherty; Patrick O'Leary; Patrick Reilly; Eamon P. Tierney; Bartholomew J. Twomey; Daniel Walsh. The July examination was the last to be held under the Society's old regulations.

The following candidates were successful in the Society's Second Professional Examination held in July:—*First Class Honours*, Audrey M. Isdell; Mary C. Webb. *Second Class Honours*, Edward R. Corcoran; Thomas Feerick; Kathleen Fitzpatrick; Catherine Leo; Mary Sewell; Thomas P. Treacy. *Pass*, Matthew Connolly; Patrick Crowley; John O'Brien; John C. Reilly; Mary T. Woods.

The following gained passes in the July Assistants' examination: Catherine Colbert; Mary V. P. Conway; Patrick Cronin; William Durkin; Mrs. T. C. Keelaghan; Thomas B. Kennedy; John Mulvany; Patrick Murphy; Patrick McGovern; Pauline O'Callaghan; Michael O'Gorman; Hanora O'Sullivan; Donal R. O'Sullivan; John N. Power; Maurice Power; Michael B. Waters.

A Successful Prosecution

TRADER SOLD SULPHAMEZATHINE

A GENERAL trader, Mr. William Hayden, Kilcormac, co. Offaly, was summoned by the Pharmaceutical Society of Ireland for offences under the Sale of Poisons Act, 1870, and the Pharmacy Act, 1875, at the Kilcormac district court on July 23. District Justice McGahon found both charges proved and intimated that he would apply the Probation Act in September if, in the meantime, the defendant paid a sum of £4 4s. costs and £1 1s. expenses to the Society. The defendant, through his solicitor, told the court that he had been supplied with Sulphamezathine tablets by a "well-known firm of wholesale chemists" in Dublin, and that he was not aware that he was not entitled to sell them. The Justice expressed surprise that the articles should be supplied by a wholesaler to people who were not entitled to sell them. Agreeing, Mr. J. Gaynor (representing the Society), said that so far as the Society was concerned, however, the sale had been made by the defendant.

NEW PRODUCTS AND PACKS

Cough Linctus for Babies.—Eucryl, Ltd., Southampton, announce the following addition to the Galloway's cough-syrup range: Galloway's baby cough linctus. The linctus is being advertised on a national scale during the coming winter season.

HÆMORRHOIDAL SUPPOSITORIES WITH HYDROCORTISONE: Anusol HC suppositories introduced at the Edinburgh Medical Exhibition (*C. & D.*, July 25, p. 39), are packed in boxes of twelve suppositories.

A New Strength. — Roussel Laboratories, Ltd., 847 Harrow Road, London, N.W.10, announce the introduction of a 0·75-mgm. tablet of DexaCortisyl (dexamethasone acetate), in addition to the already available 0·5-mgm. tablet. The packs are containers of twenty, 100, and 500.

Additions to List.—Boots Pure Drug Co., Ltd., Station Street, Nottingham, announce the addition to their range of products of Hepastab Forte (six and 100 2-mil); phenobarbitone sodium B.P. (gr. 3 per mil) (six 2-mil); streptomycin sulphate, stabilised (equivalent to 0·5 gm. streptomycin base, 500,000 units) (six and 100 2-mil).

A Cream for Skin and Scalp.—Carlton Laboratories (Southern), Ltd., 2 Norfolk Square, Brighton, Sussex, are marketing a new non-greasy cream, Tardrox, for use in eczema, psoriasis, and most scalp disorders such as seborrhœic dermatitis. The cream contains chlorhydroxyquinoline and oil of tar. It is available in 8-gm. and 30-gm. tubes.

An Additional Penicillin Product.—The range of penicillin products marketed by Abbott Laboratories, Ltd., Baker Street, London, W.1, has been increased by the addition of "62·5 CVK solution with sulphas," each 5 c.c. of which contains 62 mgm. (100,000 units) of potassium penicillin V, 125 mgm. of sulphadiazine and 125 mgm. of sulphadimidine.

Contraceptive Tablets.—Described by the makers, Mallpas, Ltd., 379 St. John Street, London, E.C.1, as "a revolutionary development in the field of contraception," Mallpas tablets are foam-forming, spermicidal and antiseptic. Each tablet is air-sealed in foil (twelve tablets to a carton). Supplies are obtainable from Grenvite, Ltd., 59 Barbican, London, E.C.1.

Oral Lignocaine. — Pharmaceutical Manufacturing Co., Epsom, Surrey, announce an addition to their range of Xylotox brand lignocaine local anæsthetic preparations for general medical and surgical use: Xylotox oral, a palatable and viscous preparation for the alleviation of a variety of conditions of the upper digestive tract. The product contains 2 per cent. lignocaine hydrochloride in a pleasantly flavoured vehicle. The container is a 200-mil bottle.

Acetonide Ointment.—Lederle Laboratories division of Cyanamid of Great Britain, Ltd., Bush House, Aldwych, London, W.C.2, are marketing Ledercort acetonide ointment, 0·1 per cent. in which triamcinolone acetonide is incorporated in a white soft paraffin and anhydrous wool fat base, providing a water-miscible and greasy form for topical application. Ledercort acetonide is indicated for the relief of inflammatory and pruritic dermatoses, especially pruritus ani and vulvæ, seborrhœic and other forms of dermatitis. The ointment is available in tubes of 5 gm. and 15 gm.

Antifungal Cream and Powder. — Wade Pharmaceuticals, Ltd., Springfield Laboratories, Bishopbriggs, Glasgow, are marketing two new medicinal specialities, Phytocil cream, a pentrating product that is neither greasy nor staining and is claimed to destroy the strains of fungi responsible for tinea pedis, cruris, capitis and circinata and other fungal infections of the skin; is bactericidal, killing and impeding *Ps. pyocyanea;* and analgesic, bringing relief to the intense irritation frequent with mycotic infections. In use it is rubbed in twice daily to the affected areas; the pack is a tube containing 25 gm., and Phytocil powder, a free-flowing powder containing propylene-phenoxetol (3-phenoxypropanol), and para-chlorophenoxetol (2-p-chlorophenoxyethanol) with zinc undecylenate, in puffer container. The puffer bottle contains 25 gm.

Traveller's Medicine Outfit.—A new and compact travelling kit containing tubes of four household remedies has

just been introduced under the name Medikit by Greenford Chemicals, Ltd., 67 Wigmore Street, London, W.1. Encased in an attractive lightweight plastic wallet size 3½ x 2½ x ¾ in., the glass tubes contain tablets of aspirin (labelled for headaches, chills, minor aches and pains); magnesium hydroxide compound (labelled for indigestion and mild stomach disorders); caffeine (labelled for lassitude and fatigue); and cascara sagrada (labelled for constipation). Each label is in a different colour for easy recognition.

Battery-powered Shaver. — A new Swiss-made, battery-driven, dry shaver, the Lord Riam, is being introduced to

the British market. Powered by two standard No. 8 batteries, and with a rotary cutting head, it is marketed by B. H. Ries, Ltd., 19 Hatton Garden, London, E.C.1. The batteries are estimated on average to last for about sixty shaves. Showcards and leaflets are available, and pre-Christmas advertising has been booked.

Hair Shade.—Golden, Ltd., 7 Grosvenor Street, London, W.1, have added to their range of Color-Glo hair colouring products a new shade "Black Tulip" (deep Burgundy).

A Royal Jelly Soap.—F. Farthing & Co., Ltd., 44 Queensway, London, W.2, state that Apiella royal jelly soap is now available (in bath size only). The soap is individually packed in pink folding carton.

Cosmetic Colours.—Elizabeth Arden, 25 Old Bond Street, London, W.1, have created new cosmetic shades for the coming season. They are "Pink Spark," and "Ember Red," with "Autumn Smoke" eye shadow.

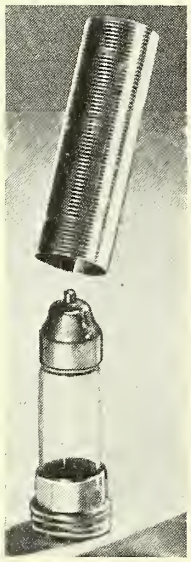
Pressurised Polybactrin. — Calmic, Ltd., Crewe, have produced a pressurised spray presentation of Polybactrin antibiotic powder (neomycin sulphate, 500 mgm.; polymyxin B sulphate, 100,000 units; zinc bacitracin, 25,000 units in each gm.). The net contents of the container are 110 gm.

Automatic Spray.—Brumaire, an automatic spray made in France, enables the owner to use own perfume, toilet water, cologne, face lotion, brilliantine, etc., by means of an aerosol device and a small glass cartridge incorporated in the spray bottle. A touch of the finger automatically produces an even spray. The product used does not come into contact with propellant thereby ensuring full aroma. It can also be used by gentlemen for spraying after-shave lotion.

Supplies are available from Marcel Franck & Co. (London), Ltd., 9 Park Hill, London, S.W.4.

New Ideas in Cosmetics.—Lancome (England), Ltd., 14 Grosvenor Street, London, W.1, have produced in "Cartouche" a lipstick refill in its own golden metal case "at a refill price." "Duet for Lips" is a twin lipstick con-

tainer holding two colours or two textures ("Brilliant" and "Neosatin") or two versions of a lipstick (such as a colour and "Givre"). Cartouche refills fit the new twin container, which is sold empty. "Givre" is a silver, "frost" lipstick to touch up or add glitter, to any lipstick colour; and "Blanc Brilliant" a new white lipstick. Three new colours ("vert," "gris clair" and "bleu clair") are now available in the Lancome eyebrow pencil, and some Lancome preparations (mostly the cleansing creams) are now in plastic jars, replicas of the china jars. A nail-varnish bottle and carton of new shape are being introduced. The carton has a rectangular window on the front to show the colour of the contents. At the moment it is obtainable only in four or five colours. Lancome ablutions and cold cream cleansers are now available in large tube sizes.



Handbag "Dispenser." — A. S. Brown & Co. (Manfg.), Ltd., 79 Coborn Road, London, E.3, have added to their range of perfume lines the Perfumette handbag "dispenser" which is in the shape of a lipstick case and may be used for perfume, toilet water, or anti-mosquito liquids. The liquid is contained in a spill - proof glass bottle that is metal covered and boxed.

Penicillin Suspension.—The Distillers Co. (Biochemicals), Ltd., The Broadway, London, S.W.19, have introduced Distaquaine V-K suspension in a ready-prepared form. DQV-K suspension is available in bottles of 60 mils containing in each 5-mil teaspoonful, 125 mgm. penicillin V as potassium salt.

MODERNISED PACK: With its pale blue flowers on a white ground trimmed with gold the new Kotex box of twelve is suitably feminine in presentation. The box has a hinge lid that may be reclosed after a towel has been taken out. The remainder stay fresh and clean from one month to another. Manufacturers are Kimberly-Clark, Ltd., Larkfield, nr. Maidstone, Kent.

TRADE NOTES

A Bulk Pack.—Roussel Laboratories, Ltd., 847 Harrow Road, London, N.W.10, have introduced a bulk pack of their Proctosedyl suppositories: a box of forty-eight.

Formula Change.—H. R. Napp, Ltd., 3 Clements Inn, London, W.C.2, announce the addition of ascorbic acid, 100 mgm. per tablet, to the formula of Caapi anti-coryza tablets. New-formula packings become available on September 1.

Revised Prices. — Foster-McClellan Co., 58B Wells Street, Oxford Street, London, W.1, express regret that, owing to the recent printing dispute, they were unable to announce to chemists so soon as they would have liked the new scales of prices for Doan's backache kidney pills, Bilax, Doan's ointment and Mentex given on another page. They point out that previously the prices had remained unchanged for many years.

Swiss Chemicals.—Jacobson Van Den Berg & Co. (U.K.), Ltd., announce that their principals, Orgamol S.A., Evionnaz, Switzerland, are now able to supply meprobamate, procaine hydrochloride, amidopyrine, ferricholine citrate and dioxypropyltheophylline (water soluble and neutral). Details of price and availability are obtainable from Messrs. Van Den Berg, who are the sole United Kingdom agents.

Lacquered and Tasteless. — F.B.A. Pharmaceuticals, Ltd. (formerly Levmedic, Ltd.), 37 Bedford Row, London, W.C.1, announce that, as current stocks become exhausted, their Resochin tablets (chloroquine phosphate), 0·25 gm., are being replaced by a special lacquered tablet that is tasteless and lessens the possibility of gastric upset sometimes associated with long-term chloroquine therapy. Dosage and price are unaltered.

Discontinued.—Ward, Blenkinsop & Co., Ltd., 37 Queen Square, London, W.C.1, advise that stocks of the 1-oz. tube of Penotrane cream are now exhausted and that in future 1-oz. tubes of Penotrane jelly will be supplied. Messrs. Ward, Blenkinsop are continuing to supply Penotrane vaginal cream (to a formula different from that of Penotrane cream) in 2½-oz. tube and in applicator set containing one 2½-oz. tube of Penotrane vaginal cream together with fourteen disposable vaginal applicators.

Marketing Change. — The Distillers Co. (Biochemicals), Ltd., Speke, Liverpool, 24, announce that sales of "own name" malt extract with cod-liver oil are now being handled by the company's malt-extract sales department, 8 Torphichen Street, Edinburgh, 3, with whom future orders should be placed. Orders for DCL brand malt extract with cod-liver oil (Tartan label) should be sent as before to the D.C.(B.)L. home sales department at Wimbledon. The latter product is butterscotch-flavoured. DCL brand extract of malt is discontinued.

A Contrast in Staining Effects.—The great disadvantage of gentian violet in the treatment of vaginal discharge is that it badly stains skin and linen. The speciality Pruvagol, offered for the same purpose by Camden Chemical Co., Ltd., 61 Gray's Inn Road, London, W.C.1, and claimed to have equal therapeutic advantages is, by comparison, remarkably free from the staining drawback. Recently the makers had comparative tests on Pruvagol cream, Pruvagol pessaries and gentian violet 1 per cent. solution carried out by the Lux Washability Bureau, whose report on the tests states that samples of white cotton, linen, silk and rayon were stained with the three substances, and attempts made to remove the stains (a) by washing in handhot Lux suds; (b) by boiling in Lux suds. Handhot washing removed the Pruvagol cream stains from all four fabrics and the pessary stain from all but the silk fabric, on which a slight pink stain remained. The gentian violet stain was only slightly affected by the treatment. Boiling also failed to remove the gentian violet stains from the cotton and linen. Since it is not appropriate to boil rayon or silk, no further attempts were made to remove the residual stains from those samples.

Travelling Showroom.—A van to take the company's full range of products, including Christmas gift lines, to the smaller towns in Great Britain, has been designed by Cussons Sons & Co., Ltd., Kersal Vale, Manchester, 7. The

interior is fitted up as a showroom, plus an office with facilities for light refreshment for customers. In the smaller towns the van can park almost alongside the customer's front door, and the retailer will be able to order at a minimum of inconvenience. In the larger districts the van will park at a central spot and attendant salesmen will bring in the retail customers. In October, the van makes its first tour abroad through Holland and Belgium, attended by a salesman speaking both French and Dutch. In co-operation with the company's agents in various overseas countries the van will take a complete display to retail customers.

Marketing Conference.—Over seventy managing directors and executives from companies of Beecham Group, Ltd.,

attended a two-day sales and marketing conference at Ashridge College, Herts, July 26–28. Speakers included Mr. A. A. Shenfield (economic director, Federation of British Industries). Among the subjects on which papers were read, and which provoked lively discussion, were changes in consumer patterns and channels of distribution, test marketing and sales methods of the future.

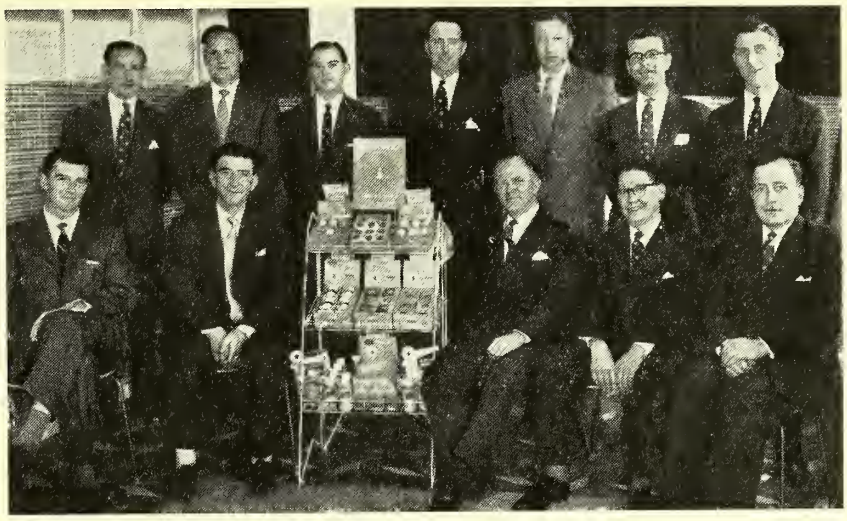
Matching Nail Enamel.—Introduced by Revlon International Corporation, 86 Brook Street, London, W.1, "Colors Unlimited" nail enamel is being issued in seven new shades to match the most popular shades of "Colors Unlimited" lipsticks.

For World Championship Cyclists.—The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, are again supplying the British team in the World's Cycling Championships, Amsterdam, August 6–18, with quantities of glucose B.P. and iodine oil.

Photographic Agents.—Bradley & Bliss, Ltd., Kings' Road, Reading, have been appointed a wholesale distributor by Johnsons of Hendon, Ltd., and are now carrying comprehensive stocks of their photographic chemicals and accessories. Daily delivery can be given in the counties of Berkshire, Buckinghamshire, Oxfordshire and Hertfordshire.

Cash Prizes for Customers. — Easipower Appliances, Ltd., 30 High Street, Southampton, manufacturers of Dreamland electric blankets, announce a "Sweet Dreams" competition in which over £5,000 worth of electric blankets are offered as prizes. The company's announcement states that "Every pair of Dreamland blankets one of your customers wins will bring you a pair of blankets."

Complimentary Copies.—For discreet distribution to Scots exiled to Sassenachia, Camden Chemical Co., Ltd., 61 Gray's Inn Road, London, W.C.1, have purchased part of the limited edition of the humorous skit, "A Short History of Scottish Regiments," the author of which is Mr. A. W. Keith, M.P.S., 73 South Street, St. Andrews. All profits from the book go to the St. Andrews branch of the British Legion for their charitable activities.



SUMMER SALES CONFERENCE : Sales staff of New Hygiene, Ltd., photographed at the end of the company's summer sales conference held recently at Church Road, Kingston-on-Thames. The managing director (Mr. A. R. Mackewn) reported greatly increased business.

Most Pink. — Revlon International Corporation, 86 Brook Street, London, W.1, offer in their new product Pink'issimo a lipstick and enamel shade with "all the colour, warmth, gaiety and excitement of Italy." Pink'issimo is a "deep, vibrant, living pink."

Bonus Offers

KIMBERLY-CLARK, LTD., Larkfield, nr. Maidstone, Kent. Kotex. Twelve boxes invoiced as eleven. Until August 31.

EASIPOWER APPLIANCES, LTD., 30 High Street, Southampton. Dreamland electric blanket. 5 per cent. extra discount during life of "Sweet Dreams" competition (see first column of this page).

IMPERIAL CHEMICAL INDUSTRIES, LTD., pharmaceuticals division. Savlon antiseptic lozenges. Six tubes Savlon cream with order for 6 doz. Savlon lozenges. Twenty-four units Savlon lozenges and Savlon cream to value of 10s. with 12 doz. Savlon lozenges. Seventy-two units Savlon lozenges and Savlon cream to value of 25s. with 24 doz. Savlon lozenges.

Teenage skin cream in tube, each enclosed in individual carton and packed in display outer containing six tubes, is supplied by M. Beetham & Son, Ltd., London Road, Cheltenham, Glos.

Christmas Showrooms

THE following are announced:

CUSSONS, SONS & CO., LTD., Kersal Vale, Manchester, 7.

Town	Hotel	Dates
Liverpool	The Adelphi	August 24-28
Nottingham	The County	August 24-28
Leeds	The Queens	August 31 to September 4
Newcastle-on-Tyne	Royal Turks Head	August 31 to September 4
Bristol	The Royal	August 31 to September 4
Manchester	The Midland	September 7-11
Glasgow	The St. Enoch	September 7-11
Cardiff	The Royal	September 7-11
Hull	The Station	September 8-10
Edinburgh	North British	September 14-17
Birmingham	The Grand	September 14-18
Exeter	The Rougemont	September 14-17
Brighton	The Grand	September 22-24

GOYA, LTD., 161 New Bond Street, London, W.1.

Birmingham	Grand Hotel	September 7-11
Bournemouth	Norfolk Hotel	September 28-30
Bristol	Royal Hotel	August 24-28
Cardiff	Royal Hotel	September 7-11
Edinburgh	North British Hotel	September 14-18
Exeter	Rougemont Hotel	September 15-17
Glasgow	North British Hotel	September 7-11
Hanley	Grand Hotel	August 25-27
Hull	Royal Station Hotel	August 24-28
Leeds	Queens Hotel	August 31 to September 4
Liverpool	Adelphi Hotel	August 31 to September 4
Manchester	Midland Hotel	August 31 to September 4
Newcastle-on-Tyne	Royal Station Hotel	August 31 to September 4
Nottingham	County Hotel	September 7-11
Plymouth	Duke of Cornwall Hotel	September 8-10
Southampton	Polygon Hotel	August 18-20

SCOTT & BOWNE, LTD., 50 Upper Brook Street, London, W.1.

Liverpool	Adelphi Hotel	August 24-28
Hanley	Grand Hotel	August 31 to September 3
Leeds	Queens Hotel	August 31 to September 4
Belfast	Kensington Hotel	September 7-11
Glasgow	St. Enoch Hotel	September 7-11
Newcastle	Turks Head Hotel	September 7-11
Manchester	Midland Hotel	September 7-11
Cardiff	Queens Hotel	September 7-11
Birmingham	Grand Hotel	September 14-18
Nottingham	County Hotel	September 14-18
London	50 Upper Brook St., London, W.1.	Permanently on view

VACCO, LTD., Grosvenor Gardens House, London, S.W.1.

Leeds	Queens Hotel	August 31 to September 3 9 a.m. to 11 p.m.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

DR. D. JOHNSON asked the Minister of Health on July 20 if he had taken note of the comments in paragraph 226 of the Report of the Hinchliffe Committee in which a distinction was made between pharmaceutical firms which undertook genuine research and those which made large profits on new preparations that were not therapeutically superior to those already in existence and devoted no part of their profits to significant research, and what steps he was taking to make pricing arrangements with the pharmaceutical industry so that the fullest encouragement was given to firms which embarked on genuine research expenditure.

MR. DEREK WALKER-SMITH. "Yes. The Committee recognised that the present price agreement, which was in operation for a trial period, has features which allow for the need to encourage research. This agreement is at present under review and in considering the arrangements for the future I shall certainly keep in mind the importance of encouraging genuine research." Replying later he said—"The possibility will certainly be explored, in the review now in progress, of relating permissible prices more directly in some way to a firm's research effort in any future scheme. This is a complex matter involving many considerations."

New Controls

The Minister told questioners that Preludin was among those drugs which were being considered by the inter-departmental committee on drugs of addiction in relation to its habit-forming characteristics. He was, he said, considering whether there was need for some further measure of control of drugs which did not come within the scope of the Dangerous Drugs Act nor were poisons, but the indiscriminate use of which might entail risk.

Sweet-like Medicines

MR. J. GRIMOND asked the Minister on July 20 if he would take steps to stop or discourage the production of drugs in gay and attractive bottles and capsules likely to make children think they were sweets. MR. R. THOMPSON (Parliamentary Secretary, Ministry of Health) "I do not think this would be either practicable or effective. The right solution is for all drugs to be kept out of reach of children."

Preludin

In a written answer on July 23, MR. R. A. BUTLER stated he had been informed by a prison medical officer of two cases in which the taking of Preludin associated with alcohol had been followed by violence. There were no figures available about the number of offences of violence in which the persons charged had been taking Preludin.

Proprietaries

MR. DEREK WALKER-SMITH in a written reply to Colonel T. V. H. Beamish on July 23 stated that the prices of some 4,000 proprietary drugs representing rather more than 80 per cent. by value of all proprietary drugs dispensed under the National Health Service had been accepted by reference to the various provisions of the voluntary price fixing scheme agreed between the A.B.P.I. and the Ministry of Health.

Overseas Research

LORD HAILSHAM announced in the House of Lords on July 29 the establishment of an Overseas Research Council under the chairmanship of Dr. R. S. Aitken (vice-chancellor, Birmingham University), to advise the Privy Council Committee on overseas research.

Metric System

SIR J. BARLOW asked the President of the Board of Trade on July 28 what action had been taken to provide suitable standards following the change-over of the British pharmaceutical industry to the metric system. MR. JOHN RODGERS (Parliamentary Secretary to the Board of Trade) stated that measures of 2·5 litre and 250 mils were legalised for use in trade in 1953. More recently the Glass Manufacturers' Federation had asked for a measure of 25 mils to be legalised and an Order in Council giving effect to that would be laid before Parliament shortly.

Decimal Currency

Replying to MR. J. A. LANGFORD-HOLT on July 28 MR. D. HEATHCOAT AMORY (Chancellor of the Exchequer) stated no recent consideration had been given to the introduction of a decimal currency system.

Medical Auxiliaries Register

MR. DEREK WALKER-SMITH (Minister of Health) informed MR. J. A. KERSHAW on July 28 that the Government had decided to introduce legislation at an early opportunity for statutory registration of medical auxiliaries. The scheme had been worked out with their representatives and the views of the medical profession.

Truck Acts Committee

MR. IAIN MACLEOD (Minister of Labour and National Service), announced in a written answer on July 30 that he was appointing a committee to review the operation of the Truck Acts, and that the chairman would be Mr. David Karmel, Q.C., Recorder of Wigan. The terms of reference of the committee will be:—"To consider in the light of present day conditions the operation of the Truck Acts 1831–1940 and related legislation, and to make recommendations." The names of the members of the Committee will be announced later.

COMPANY NEWS

Last year's figures in parentheses

BETTS & CO., LTD.—Mr. William S. H. Betts has been appointed director in charge of sales with effect from October 1.

ILFORD, LTD.—An interim dividend of 5 per cent. on the Ordinary capital is declared for the year ending October 31.

JOSEPH WEIL & SON, LTD.—Messrs. Douglas Dickenson and George Peryer have been appointed to the board.

ABBEY PARFUMERIE CO., LTD., have appointed Mr. A. R. Withey sales director for Houbigant and Lubin perfumery.

CONTROL of Mappin & Webb, Ltd., who acquired Lewis & Burrows, Ltd., in December 1958, has been gained by Sears Holdings, Ltd.

SCOTT & TURNER, LTD. — Mr. Sidney Traves (sales director) has retired after thirty-nine years' service with the company.

CORK CHEMICAL & DRUG CO., LTD.—Messrs. C. F. Murray and J. F. Crowley, M.P.S.I., have been appointed additional directors of the company.

PFIZER, LTD.—Mr. F. Goulding (general pharmaceutical sales manager) and Dr. A. M. Brunton (director of medical services) have been appointed directors.

STEPHEN SMITH & CO., LTD.—Dividend 10 per cent. for year to April 30 (same). Net profit, £21,492 (£21,536) after tax of £22,410 plus £7,500 reserved for future tax (£19,918).

HODDERS, LTD.—Group net profit year to March 31, £72,574 (£71,954) and dividend 27½ per cent. (22½ per cent. equivalent) as announced June 20. Fixed assets £326,135 (£277,289), net current assets £313,302 (£347,230). Commitments £30,000 (£63,323).

COLEMAN & CO., LTD.—Lord Cranworth, K.G., M.C., has resigned from the board. Lord Cranworth has been a member of the board for forty years. His departure was marked with presentations from the company and from his colleagues on the board.

ALBRIGHT & WILSON, LTD.—Sir Owen Wansbrough-Jones is being appointed to a full-time directorship as from October 1. Sir Owen Wansbrough-Jones has held a number of senior scientific posts in the Civil Service culminating in his appointment in 1953 to be chief scientist of the Ministry of Supply.

PHILIP HARRIS, LTD.—Net profit year to March 31, £50,213 (£41,270) after tax £59,790 (£53,319). Final Ordinary dividend 2s. 6d. per £1 share (1s. 10d.), making 3s. 6d. (2s. 6d.). To reserve £30,000 (same). Forward £39,933 (£31,657). Fixed assets £122,232 (£115,357), current £454,341 (£416,961), and liabilities £222,565 (£214,024)—debt to bank £58,100 (£86,073).

BOOTS PURE DRUG CO., LTD.—Speaking at the company's annual meeting the chairman (Mr. J. P. Savage) gave an optimistic view of the current financial year ending March 31, 1960. Having studied the results of the first quarter, he said he was even more optimistic than when he wrote the chairman's statement." (*C. & D.*, July 11, p.11) Circulated before the meeting.

GRIFFITHS HUGHES PROPRIETARIES, LTD.—Group profit, before tax for year to March 31, £488,534 (£439,921) and dividend 10 per cent. (same). Current assets £1,787,511 (£1,477,592), liabilities £676,031(£608,773). Mr. C. B. Green, chairman, says that despite competition, sales for first quarter of current year show an advance on corresponding period last year.

L. LEICHNER (LONDON), LTD.—Messrs. John Wheatley and Stanley W. Francis have been appointed joint managing directors as from July 1. Mr.

Wheatley becomes responsible for general administration and Mr. Francis for production and sales. Mr. Stephen Pollitzer, who has been a director of the company for over thirty years, remains chairman of the board.

BRITISH & COLONIAL DRUGGIST, LTD.—Mr. L. B. Sutherland, who in 1949 succeeded the late Mr. R. S. Ely as secretary of the company and of the associated London Medical Exhibition, has been elected a director. Mr. S. Palmer (a member of the company's organising staff) has been appointed exhibition manager and becomes responsible for arrangements for the London Medical Exhibition, 1959, succeeding Mr. J. E. Colley.

BORAX (HOLDINGS), LTD. — An interim dividend in respect of the year to September 30 of 1·75d. per 5s. unit of Deferred Ordinary stock is declared. The American operating company (United States Borax & Chemical Corporation), in an interim report for the nine months ended June 30, states that sales were valued at $47,319,803 against $39,800,673 in the comparable period of 1958. Demand for industrial borax products reached a new high level both for the quarter and for the nine months' period.

VITAMINS, LTD.—The offer by the United Molasses, Co., Ltd., to acquire the capital of Vitamins, Ltd., (*C. & D.*, July 11, p.11), has been withdrawn. The board of Vitamins, Ltd., feels unable to recommend the offer unless suitable arrangements could be made to secure to Vitamins Ordinary holders a cash alternative of at least 30s. per Ordinary unit in Vitamins. At current market prices that would have meant that Molasses would have to increase its offer and, under the circumstances prevailing, the directors of Molasses felt that they would not be justified in doing so.

IMPERIAL CHEMICAL INDUSTRIES, LTD.—Mr. E. A. Bingen has been elected a deputy chairman (in addition to Mr. S. P. Chambers and Dr. R. Holroyd), and Mr. L. H. Williams has been appointed a deputy chairman of the board with effect on and from March 1, 1960, when Mr. S. P. Chambers succeeds Sir Alexander Fleck as chairman. Mr. Williams is now dyestuffs and pharmaceuticals director (group B). The board also announce that they have agreed with regret, to the retirement from the board of Sir Walter Worboys, on October 31. Sir Walter has served the company for thirty-four years, during eleven of which he has been a director.

New Companies

P.C. = Private Company; R.O. = Registered Office

WINGER (GREENWICH), LTD. (P.C.).—Capital £1,000. To carry on the business of chemists and opticians, etc. Ida M. Ball is the first director. R.O.: 11 Nelson Road, London, S.E.9.

DRAYCOTT PHARMACY, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, etc. Directors: Edith E. Marsh and Daisy R. Clarke. R.O.: 43 Station Road, Draycott, Derbys.

DAVID W. GARRIOCK, LTD. (P.C.).—Capital £2,000. To acquire the business of dispensing chemists carried on by David W. Garriock, 4 Queensway, Tynemouth. Directors: David W. Garriock, M.P.S., and Edith Garriock.

P. GOODMAN, LTD. (P.C.).—Capital £3,000. To carry on the business of wholesale and retail chemists, druggists, etc. Directors: Arthur B. Mitchell and Betty L. Pooley. R.O.: 641 Stanningley Road, Pudsey.

CRANSHAW (EDWARD CHEW, CHEMISTS), LTD. (P.C.).—Capital £2,000. To carry on the business of chemists, etc. Directors: Edward Chew, M.P.S., and Bessie Chew. R.O.: 103 Main Street, Bingley, Yorks.

W. H. CHADWICK (CHEMISTS), LTD. (P.C.).—Capital £100. To carry on the business of chemists, etc. Directors: William H. Chadwick, M.P.S., and Betty T. Chadwick. R.O.: 48 Windmill Street, Gravesend.

C. BROADWAY, LTD. (P.C.).—Capital £3,000. To carry on the business of chemists, etc. Directors: Conrad Broadway, M.P.S., and Dorothy E. Broadway. R.O.: 68 Euston Avenue, Watford.

ARMREXIA, LTD. (P.C.).—Capital £100. To carry on the business of wholesale and retail chemists, druggists, etc. Subscribers: Jean Herbert and Thomas A. Herbert, both of 156 Strand, London, W.C.2.

M. L. BUSSELL (CHEMIST), LTD. (P.C.).—Capital £2,000. To carry on the business of dispensing chemists and druggists, etc. Directors: Morgan L. Bussell, M.P.S., and Doris E. Bussell. R.O.: 8 Forbury, Reading, Berks.

R. A. COHEN, LTD. (P.C.).—Capital £100. To carry on the business of chemists and druggists, etc. Directors: Victor A. Underwood, M.P.S., Mrs. Irene Cohen. R.O.: 3 Marsden Street, Manchester, 2.

H. & E. WILKES, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, druggists, etc. Directors: Horace Wilkes, M.P.S., and Susannah Wilkes. R.O.: 4 London Road, Purbrook, Hants.

QUEENSBURY CHEMISTS, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, etc. Subscribers: Julius Badyan, M.P.S., and Inger M. Badyan. R.O.: 57 Berkeley Road, London, N.W.9.

T. G. PEMBRO, LTD. (P.C.).—Capital £3,000. To carry on the business of general chemists, opticians, etc. Directors: Thomas G. J. Pembro, M.P.S., and Edith M. Pembro. R.O.: 69 Loughborough Road, Brixton, London, S.W.9.

REX YORK & CO. LTD. (P.C.).—Capital £100. To carry on the business of chemists, etc. Directors: Gertrude Parry-Jones and Irebe G. Ash. R.O.: 141 Greenwich South Street, London, S.E.10.

DUNDELA PHARMACY, LTD. (P.C.).—Registered in Belfast. Capital £100. To carry on the business of dealers in chemicals, drugs, medicines, etc. Directors: Joan Fallons and Brian A. Courtney. R.O.: 11 Bedford Street, Belfast.

E. L. BURGON (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, etc. Directors: George M. Jones and Ethel L. Jones. R.O.: 3 Fidlas Road, Llanishen, Cardiff.

W. WOOD (ASHFORD), LTD. (P.C.).—Capital £8,000. To carry on the business of general chemists, etc. Directors: William Wood, M.P.S., Olive L. Wood and James Broadbent. R.O.: 14 Woodthorpe Road, Ashford, Middlesex.

C. T. SCOURFIELD, LTD. (P.C.).—Capital £500. To carry on the business of chemists and druggists, etc. Directors: Clifford T. Scourfield, M.P.S., and Eveline E. Scourfield, 18 Mill Wall Place, Sandwich, Kent.

LOWE & LUCAS, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, opticians, etc. Directors: William W. Lowe and Patrick T. Lucas, M.P.S. R.O.: 23 Hollyfield Road South, Sutton Coldfield.

DOUGLAS HERD (CHEMISTS), LTD. (P.C.).—Capital £100. To carry on the business of chemists, etc. Directors: Douglas Herd and Cyril Dobbins. R.O.: 96 High Street South, London, E.6.

BUSINESS CHANGES

ARENCO, LTD., have removed to Pixmore Avenue, Letchworth, Herts. Telephone: Letchworth 965.

SMITH, KLINE & FRENCH LABORATORIES, LTD., are removing to Welwyn Garden City, Herts, on August 31 (telephone: Welwyn Garden 5111).

STREAM-LINE FILTERS, LTD., are moving to new premises at Henley Park, Guildford, the headquarters of the parent company: Vokes, Ltd.

MR. W. T. PYPER, M.P.S.N.I., has closed down his pharmacy at 10 Church Lane, Belfast, where he had been for eleven years, to set up a similar business in St. Peters' Road, Great Yarmouth, Norfolk.

SAVORY & MOORE, LTD., have opened a new pharmacy at 10 Anyards Road, Cobham, Surrey, trading under the name of H. S. Martin & Co. They have also acquired the business of W. L. Million Ltd., 168 Fleet Road, Fleet, Hants.

Appointments

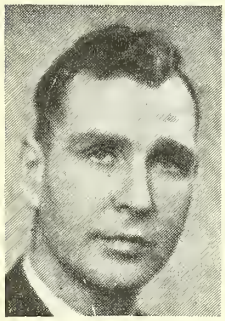
INNOXA (ENGLAND), LTD., 1 Eden Street, London, N.W.1, have appointed Mr. Barnard McGlynn general manager of the company and of their associate company, Scientific Pharmacals, Ltd.

BETTS & CO., LTD., Holloway Mills, Elthorne Road, London, N.19, have appointed Mr. Russell W. Smith an assistant sales manager. Mr. H. Offer becomes sales office manager for capsules, including foil, and Mr. R. G. Rowson sales office manager for tubes. Mr. J. Tipping has joined the sales force of the company.

EVANS MEDICAL, LTD., announce the following staff changes: Mr. E. Clwyd Davies (representative for Chester and North Wales), who is retiring after thirty years' service is being replaced by Mr. F. J. Collins, who takes over the City of Chester, and by Mr. T. E. Jackson, who takes over the balance of the territory. Mr. W. Stout, B.Sc., M.P.S., has been appointed general manager of Evans Medical (Liberia), Ltd. Mr. Stout has left for Liberia to replace Mr. R. H. Hawkins, the present general manager, who is returning to New Zealand to represent the company there.

PERSONALITIES

MR. F. GOULDING, M.P.S., who has been appointed to the board of Pfizer, Ltd. (see p. 56), joined the company in August 1952 as one of its original eight sales representatives. He was appointed pharmaceutical sales manager in 1954 and since that time he has been responsible for building the company's present sales team. Mr. Goulding continues to have the same executive functions as formerly.



MR. T. CAMPBELL, who retires from Betts & Co., Ltd., on September 30, joined the company in 1913 and has been in charge of sales since 1932.

MR. J. F. CROWLEY, M.P.S.I., who has been appointed a director of Cork Chemical and Drug Co., Ltd., joined the company in 1942, and, as drug manager since 1949, has been largely responsible for the considerable increase in the pharmaceutical side of the business. He lectured in pharmacy, materia medica and poison law in the Cork Technical School from 1938 to 1958.

MR. E. CLWYD DAVIES (a medical representative for Evans Medical, Ltd., for the past thirty years) has retired. To mark the occasion chemists in the Anglesey, North Caernarvons and Colwyn Bay Branch of the Pharmaceutical Society presented him with a pair of gold cuff links and cheque at a cocktail party in Llandudno. The presentation was made by the branch chairman (Mr. B. R. Jones). Mr. M. W. Lloyd, Colwyn Bay, and Mr. H. Neville, Llandudno, also spoke in appreciation of Mr. Davies' long service on the Welsh territory.

RETIREMENT PRESENTATION: Mr. B. R. Jones (left) making the presentation to Mr. E. Clwyd Davies.

MARRIAGES

JONES—BAKER.—At St. Joseph's Church, Blundellsands, Lancs, on July 28, Gareth Wynn Jones, M.P.S., Llandderfel, Merioneth, to Mary Josephine Baker, Ligouri, Hall Road East, Blundellsands.

CORE—GASKELL.—At St. Cuthbert's Parish Church, Halsall, Ormskirk, Lancs, on August 1, William Kenneth Core, M.P.S., 185 Grimshaw Lane, Ormskirk, to Jean Gaskell, Halsall.

DUNDEE—KIRKPATRICK. — At Carnmoney Presbyterian Church, on August 4, James Sinclair Dundee, M.P.S.N.I., Whiteabbey, Belfast, to Eileen Mary Kirkpatrick, Mount Pleasant, Jordanstown.

MODHRAIN — O'CONNOR. — At St. Joseph's Church, Ballymount, Kilcullen, Eire, recently, Lugaidh O. Modhrain to Mairead O'Connor, L.P.S.I., Ballymount.

DEATHS

BROWN.—Recently whilst on holiday, Mr. Walter Dryburgh Brown, M.P.S., 91 Winifred Crescent, Kirkcaldy, Fife. Mr. Brown was a native of Buckhaven, served his apprenticeship in Methil and qualified in 1937. He opened the branch of Boots, Ltd., in Kirkcaldy in 1947.

CHAMBERS.—Suddenly, on July 25, Mr. William Howard Chambers, 28 Durham Avenue, Portobello, Edinburgh, aged seventy-eight. Mr. Chambers represented Harkness, Beaumont & Co., Ltd., Leith, for thirty-five years, serving earlier in his career with Raimes, Clark & Co., Ltd., and J. F. Macfarlan & Co., Ltd., Edinburgh.

Mr. C. G. Drummond writes:—There can have been few better-known figures among representatives in Scotland than Mr. Chambers, whose unfailing gentleness and courtesy, combined with ability and accuracy, made him the perfect example of a "gentleman of the road." Born in Dublin, Mr. Chambers brought to Scotland the charm and humour of his native land, retaining more than a trace of his origin in his speech after more than half a century in his adopted country. He will be greatly missed by his many friends who held him in the highest esteem. A very large number of pharmacists paid tribute at the graveside.

CULLEN.—Suddenly on July 18, Mr. Christopher James Cullen, M.P.S.I., 48 Butterfield Avenue, Rathfarnham, Dublin. Mr. Cullen qualified in 1938 and was in business at 14 Main Street, Rathfarnham, Dublin.

HAMERTON.—On July 26, Mr. James Hamerton, F.P.S., Elmfield, Church Road, East Wittering, Sussex. Mr. Hamerton qualified in 1896 and was for many years a director of Wright, Layman & Umney, Ltd., Southwark Street, London, S.E.1.

After qualifying he became assistant to the late E. W. Lucas in the laboratories of John Bell & Co., at that time situated at 225 Oxford Street, London. That was followed by some years of retail experience until he entered the manufacturing laboratories of Wright, Layman & Umney in 1915. He retired in 1949. From 1920 to 1925 he was a member of the board of examiners of the Pharmaceutical Society.

HARLEY.—At Harvonne, Crieff, Perthshire, on July 13, Mr. John Rogers Harley, M.P.S., formerly of Harley & Watts, Ltd., 5 James Square, Crieff. Mr. Harley qualified in 1906.

HODGE.—On July 11, Mr. William Henry Hodge, M.P.S., Ventnor, Rupert Street, Wolverhampton. Mr. Hodge qualified in 1903.

HUGHES.—On July 22, following a road accident, Mr. John Hughes, A.M.C.T., A.R.T.C.S., 30 Brisbane Road, Mickleover, Derby 5. Mr. Hughes was chief chemist of F. W. Hampshire & Co., Ltd., Sunnydale, Derby.

JONES. — On July 5, Mr. Robert Alexander Jones, M.P.S.N.I., Fintimara, Warrenpoint, co. Down, Northern Ireland. Mr. Jones qualified in Dublin in 1898 and carried on a family business for many years at Church Street, Warrenpoint. His son and two daughters qualified; one of them, Miss M. H. Jones, M.P.S.N.I., carries on the business.

McCOUBREY.—On August 7, Mr. Martin McCoubrey, M.P.S.N.I., 154 Cavehill Road, Belfast. Mr. McCoubrey qualified in 1932, and carried on a pharmaceutical business for over twenty years.

MORGAN.—At his home on August 8, Mr. Alfred Houlston Morgan, M.P.S., 11 Via Cherubini, Florence, Italy. Mr. Morgan qualified in 1898.

OWEN.—On July 4, Mr. Samuel Maurice Owen, M.P.S., 139 Bath Road, Cheltenham, Glos. Mr. Owen qualified in 1921.

PIRIE.—On July 4, Mr. Joseph Mather Pirie, M.P.S., 4 Grand Parade, Harringay, London, N.4. Mr. Pirie qualified in 1897.

ROBINSON.—Recently, Mr. Charles William Robinson, Old Brampton, Derbys, aged eighty-three. Mr. Robinson was for over twenty years chairman of Robinson & Son, Ltd., Wheatbridge Mills, Chesterfield. He joined the family business in 1893 and for many years was responsible for the design of machinery used in the works and for extensions to the company's factories at Walton and Wheatbridge. He had been a director since 1905 and he was chairman from 1924 until his retirement at the end of the last war.

RYE.—On July 2, Mrs. Letitia Hope Rye, M.P.S., 64 Chestnut Avenue, Wheatley Hills, Doncaster, Yorks. Mrs. Rye qualified in 1919.

STEEDMAN.—On July 26, Mr. Ronald Rankin Steedman, M.P.S., 106 North High Street, Musselburgh, Midlothian. Mr. Steedman qualified in 1929.

STEPHENSON.—On July 4, Miss Flora Irene Stephenson, M.P.S., Figham House, Hull Road, Beverley, E. Yorks. Miss Stephenson qualified in 1932.

TURNBULL.—On July 8, Mr. Alexander Turnbull, M.P.S., 20 London Road, Luton, Beds. Mr. Turnbull, qualified in 1905.

TYSON.—On July 15, Mr. William Urwin Tyson, M.P.S., 11 Victoria Parade, Morecambe, Lancs. Mr. Tyson, was a district manager for Timothy Whites & Taylors, Ltd., and a member of the Lancashire Pharmaceutical Committee. He qualified in 1912.

WILLIAMSON.—On July 2, Mr. Joseph Bertram Williamson, M.P.S., 91 Sea View Road, Wallasey, Cheshire. Mr. Williamson qualified in 1901.

YATES.—On June 13, Mr. Fred Yates, M.P.S., 109 Miles Street, Preston, Lancs. Mr. Yates qualified in 1916.

BOURNEMOUTH CONFERENCE PAPERS

Details of contributions to science and professional sessions

THE following papers are being presented at the sixtieth meeting of the British Pharmaceutical Conference, Bournemouth, September 21-25. It is expected that galley proofs or copies of the papers will be available in time to distribute in the usual way before the Conference. Members wishing to receive copies of the papers should communicate with the Conference Secretaries, 17 Bloomsbury Square, London, W.C.1, stating those in which they are interested. Applications must be received not later than September 7. Because of difficulties caused by the recent printing dispute there may be some delay in the distribution of the papers, which may not be received by members until the week before the Conference.

Monday morning, September 21

OPENING SESSION

Address. "PATENTS IN PHARMACY AND MEDICINE." *H. Treves Brown* (chairman of the Conference).

Monday afternoon, September 21

SCIENCE SESSION (section A)

1. POTENTIAL ANALGESICS: THE STEREOCHEMISTRY OF SOME ISOMERIC PIPERIDINOL DERIVATIVES. *N. J. Harper, A. H. Beckett and A. D. J. Balon.*
2. NEUROMUSCULAR BLOCKING AGENTS: PART IV, THE SYNTHESIS AND STUDY OF N- AND S-ALKYL VARIANTS OF DIHEXASULPHONIUM AND DIHEXAZONIUM TRIETHIODIDES. *D. Edwards, J. B. Stenlake, Fiona MacL. Carey and J. J. Lewis.*
3. NEUROMUSCULAR BLOCKING AGENTS: PART V, LINEAR *NNNN*-TETRA-ONIUM, *NNSNN*-PENTA-ONIUM AND *NNNNNN*-HEXA-ONIUM COMPOUNDS. *D. Edwards, J. B. Stenlake, J. J. Lewis and Fay Stothers.*
4. NEUROMUSCULAR BLOCKING ACTIVITY IN SOME NS-*Bis*QUATERNARY COMPOUNDS. *T. C. Muir and J. J. Lewis.*
5. THE GANGLIONIC BLOCKING ACTIVITY OF A SERIES OF TERTIARY SULPHONIUM QUATERNARY AMMONIUM SALTS. *D. M. Brown and D. H. Turner.*

SCIENCE SESSION (section B)

6. THE SPECTROPHOTOMETRIC DETERMINATION OF CERTAIN ALKALOIDS AND APPLICATION TO PHARMACEUTICAL PREPARATIONS. *A. H. J. Cross, D. McLaren and S. G. E. Stevens.*
7. A NEW SYNTHESIS FOR 1-AMINOHYDANTOIN AND NITROFURANTOIN. *D. Jack.*
8. A LIGHT SCATTERING STUDY OF LYSOLECITHIN SOLS. *N. Robinson and L. Saunders.*
9. INTERFACIAL FILMS BETWEEN BENZENE AND SOLUTIONS OF SALTS OF ARABIC ACID. *E. Shotton and K. Wibberley.*
10. THE SIZE ANALYSIS OF PHENOTHIAZINE. *M. J. Thornton.*

Tuesday morning, September 22

SCIENCE SESSION

11. FURTHER STUDIES ON SOME ESTERS OF 4-AMINOSALICYLIC ACID. *D. J. Drain, R. Lazare, G. A. Poulter, K. Tattersall and Alicja M. Urbanska.*
12. THE ASSAY OF ANTI-HÆMOPHILIC GLOBULIN. *R. Maxwell Savage.*
13. THE ANTAGONISM OF THE ANTIBACTERIAL ACTION OF MERCURY COMPOUNDS: PART III, THE EFFECTS OF CERTAIN SULPHYDRYL COMPOUNDS ON *E. coli I. A. M. Cook and K. J. Steel.*
14. THE ANTAGONISM OF THE ANTIBACTERIAL ACTION OF MERCURY COMPOUNDS: PART IV, QUALITATIVE ASPECTS OF THE ANTAGONISM OF THE ANTIBACTERIAL ACTION OF MERCURIC CHLORIDE. *A. M. Cook and K. J. Steel.*
15. A STUDY OF FACTORS AFFECTING THE INACTIVATION OF QUATERNARY AMMONIUM COMPOUNDS ON AGAR. *M. J. Groves and H. A. Turner.*
16. THE COMPARATIVE PROTECTIVE EFFECTS OF DEGRADED CARRAGEENIN AND ALUMINIUM HYDROXIDE ON EXPERIMENTALLY PRODUCED PEPTIC ULCERATION. *W. Anderson and J. Watt.*

PROFESSIONAL SESSION

"THE ROLE OF LOCAL ORGANISATIONS IN THE PROFESSION OF PHARMACY." Opening papers by *H. Steinman and E. J. W. Cuer.*

Tuesday afternoon, September 22

SCIENCE SESSION (section A)

17. THE EFFECT OF PROTOVERATRINE A ON POTASSIUM AND CALCIUM MOVEMENTS IN MUSCLE AND NERVE. *R. E. Lister and J. J. Lewis.*
18. THE EFFECTS OF PROTOVERATRINE ON PLASMA POTASSIUM LEVELS IN THE CAT AND RABBIT. *R. E. Lister and J. J. Lewis.*
19. METALLIC CATIONS AND THE ANTIBACTERIAL ACTION OF OXINE. *A. H. Beckett, R. N. Dar and Ann E. Robinson.*
20. A COMPARISON OF THE SPASMOLYTIC EFFECTS OF TWO PHENYLETHYLAMINES AND SOME OBSERVATIONS ON MORPHINE-LIKE ACTIVITY. *A. McCoubrey.*
21. SOME EFFECTS OF HYDRALLAZINE ON BLOOD IRON AND AN IRON-CONTAINING ENZYME SYSTEM. *S. M. Kirpekar and J. J. Lewis.*

SCIENCE SESSION (section B)

22. PHYSICOCHEMICAL STUDIES OF ASPIRIN WITH GLYCINE. *H. D. C. Rapson, D. O. Singleton, A. C. E. Stuart and Mary P. Taylor.*
23. THE FLASK COMBUSTION TECHNIQUE IN PHARMACEUTICAL ANALYSIS—IODINE-CONTAINING SUBSTANCES. *C. A. Johnson and C. Vickers.*
24. PHYTOCHEMICAL CHANGES INITIATED BY INSECTS: PART I, PRELIMINARY WORK ON LEAVES AND "BEAN GALLS" OF SALIX FRAGILIS L. *S. B. Challen.*
25. GAS CHROMATOGRAPHY IN ROUTINE PHARMACEUTICAL ANALYSIS. *C. B. Baines and K. A. Proctor.*

Wednesday morning, September 23

SCIENCE SESSION

26. A NOTE ON THE USE OF MEMBRANE FILTERS IN STERILITY TESTING. *G. Sykes and Margaret C. Hooper.*
27. THE PREPARATION AND EVALUATION OF SOME PHENOLIC ETHERS AS ANTIFUNGAL AGENTS. *L. V. Coates, D. J. Drain, F. June Macrae and K. Tattersall.*
28. SODIUM NOVOBIOCIN: STABILITY ASPECTS. *M. J. Busse, K. A. Lees and V. J. Vergine.*

Thursday morning, September 24

SYMPOSIUM SESSION

THE MODIFICATION OF THE DURATION OF DRUG ACTION. "PHARMACOLOGICAL AND CLINICAL CONSIDERATIONS. *Andrew Wilson.* "PHARMACEUTICAL CONSIDERATIONS." *R. P. Edkins.*

Friday morning, September 25

SCIENCE SESSION

29. "FOOTPRINTS" IN ADSORBENTS. *A. H. Beckett and Patricia Anderson.*
30. A CONTRIBUTION TO POWDER COMPACTION THEORY BY THE PRESSING OF REGULAR ARRANGEMENTS OF SPHERES. *D. Train and J. N. Carrington.*
31. PHARMACOLOGICAL AND CHEMICAL OBSERVATIONS ON SOME TOXIC NECTARS. *Fiona MacL. Carey, J. J. Lewis, J. L. MacGregor and M. Martin-Smith.*
32. INDOLE DERIVATIVES IN TOMATOES. *G. B. West.*
33. THE CHARACTERISATION OF CRYSTALLINE AND AMORPHOUS ALOIN. *R. E. Lister and R. R. A. Pride.*

PROFESSIONAL SESSION

"THE ADVERTISING OF MEDICINES." Opening papers by *F. Wrigley and W. K. Fitch.*

Friday afternoon, September 25

SCIENCE SESSION

34. SOME ASPECTS OF THE STORAGE AND TESTING OF STERILISED SURGICAL CATGUT. *G. R. Wilkinson, E. L. Robins, J. J. Grimshaw and S. P. A. Hudson.*
35. THE ABSORPTION AND DISTRIBUTION OF HALOTHANE. *W. A. M. Duncan.*
36. AN INDICATOR CONTROL DEVICE FOR ETHYLENE OXIDE STERILISATION. *A. Royce and C. Bowler.*

PROTECTING USERS

A debate in the Commons

MR. Norman Dodds, who opened a debate on consumer protection in the House of Commons on July 28, criticised the membership of the Committee on Consumer Protection because it did not include a representative of the Co-operative movement, nor persons who had shown public interest or concern in the subject. He wanted to know how long it was estimated the committee would sit, whether it would sit in public and what restrictions there would be on giving evidence. Would it not be better to have a neutral standing committee similar to the American Federal Trade Commission? The advertising of detergents, said Mr. Dodds, was clearly based on gross exaggerations that would be difficult to deal with under the Merchandise Marks Act. He wanted the Board of Trade to take action against "switch" advertising and "guarantees . . . which are not worth the paper they are written on." He asked if there were a possibility of

devising machinery that could be used by members of the general public when they were displeased with articles they had bought and the shopkeeper felt the customer was wrong. "There are many shopkeepers who need to be protected from unscrupulous shoppers. There are often cases when both the shopkeeper and the purchaser feel a deep sense of injustice." Mr. Dodds suggested a grouping together of firms for the purpose of providing a testing-house.

MRS. PATRICIA MCLAUGHLIN: "We must be careful that in endeavouring to protect the consumer we do not take away from him the freedom of choice."

MR. GRAHAM PAGE, after declaring his interest as a director of an advertising agency, pleaded with the Consumers Association and other such organisations to use their great powers reasonably. "We do not want a witch hunt against manufacturers." Mr. Page referred to a case "in which a number of learned medical gentlemen said that a firm manufacturing a tooth-paste was making fraudulent statements. When required by the Board of Trade to substantiate that allegation on oath, they refused to do so. Those sorts of attacks are very easy to make and cause great damage, not only to our export trade, but to manufacturers who have installed expensive machinery and employ skilled and unskilled men and then have their trade attacked in that way." Mr. Page then referred to a television interview given by Miss Marghanita Laski, during which she indicated her concern with "crooked lying" by advertisers and said " . . . There is a sea-sick remedy at the moment which says that it is twice as effective as any other. Wouldn't you like to see the tests they do before you find that one sea-sick remedy is more effective than any other?" Mr. Page continued "That was in 1959, and, in fact, this particular sea-sickness remedy, to which she referred, is the only one which uses that particular drug hyoscine, and tests had been carried out three years before which showed conclusively that this remedy was twice as effective as any other. . . . For this particular drug, the protection from vomiting and nausea was 82 per cent., and the nearest to that in the case of any other drug was 39 per cent., and, therefore, this was twice as effective." Mr. Page concluded by asking whether, if a committee were set up, it would give as much publicity to those manufacturers vindicated by the tests as it would to those in respect of which complaints had been well founded.

MR. JOHN RODGERS (Parliamentary Secretary, Board of Trade) replying to the debate said he did not believe that, for example, razor blades could be made sharp by Act of Parliament. "Enforcement would involve so vast an army of testers and inspectors that by the time the customer had paid for their services, as he would have to do whether as a taxpayer or a ratepayer, it would cost more than the consumer previously lost through occasionally buying one packet of blunt razor blades." The function of the proposed committee would be to decide how far the old-established balance between buyer and seller had been disturbed and to decide whether something might appropriately be done to restore it—in broad terms by ensuring that the consumer was better informed and/or by ensuring that he had fair redress for legitimate complaints.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Education by Degrees

SIR,—The changing education requirements for pharmacy have led to a situation whereby "pharmacists" who are not legally pharmacists gain a degree, and the remainder by virtue of practical training and forensic knowledge, achieve a diploma. A new complication arises in the talk of a "Dip. Tech." in pharmacy. Surely that proposal, apart from producing a third standard, is out of date, as it relates once more to a narrow phase of development from which we appeared to be passing. Could not all concerned give early recognition to the degree course as the only entrance to the register?

B.PHARM., M.P.S.

SIR,—May I tender to Mr. Maplethorpe (chairman of the Pharmaceutical Society's Education Committee) my hearty congratulations on his having received an honorary degree for his services to pharmacy. May I also suggest that the thousands of retail proprietor pharmacists who again can take no holiday this year owing to absence of qualified staff should congratulate this gentleman on his success in bringing in 43 (forty-three) registered students out of 600,000 school-leavers for the year ended June 1959. That figure, which was paralleled by 432 last year and over 700 in 1957, leaves no doubt in our minds that "degrees for ALL pharmacists" is a brilliant idea.

C. H. PATRICK,
Twyford, Berks

Measured Doses

SIR,—Observing that the dose of antibiotic suspensions was stated as X mgm. in 3·5, 4·0, or 5·0 mils (measure enclosed) and that the various measures looked identical, I decided to measure them. That introduced the question of when a spoon is full. Measurements were made (a) with the liquid just visible over the edge of a level still spoon; (b) with the measure appearing just full when viewed from above; and (c) with the measure unable to hold more. One measure differed appreciably from the others. It was stated to hold the least and actually held the most. The table below shows the result of the experiment, which was carried out with coloured water. Even greater differences between (a) and (c) could be expected with a viscous suspension. Clearly the "measures" are of no more value than a domestic spoon, and only pay lip service to the god of accuracy.

C. A. PICKFORD,
Grantham

Preparation	Stated dose	mils to "fill" spoon		
		(a)	(b)	(c)
Penidural suspension	5 mils	3·5	4·5	5·5
Crystopen suspension (1 dr.)	3·5 mils	3·5	4·5	5·5
Crystopen V suspension ...	5 mils	3·5	4·5	5·5
Lilly's penicillin V (1 dr.) ...	5 mils	3·5	4·5	5·5
Chloromycetin (1 dr.) ...	4 mils	3·5	4·5	5·5
Distaquaine suspension (1 dr.)	3·5 mils	3·9	5·0	7·6

Stolen or Missing

SIR,—We would be pleased if you would kindly insert the following information in the stolen list of your next issue:

"The following Bell & Howell and Linhof equipment has been stolen.

Model No. 624EE cine camera—
Serial No. 52590

Model No. 624B 8-mm. camera—
Serial No. 22953

The above cameras were reported stolen from a window display at the office of British Overseas Airways Corporation, Regent Street, London, W.1. The police have been informed.

53·5 25-mm. Micro lens—
Serial No. 2154018

The above lens has been reported missing from the factory store. Any information regarding this equipment should be passed to this company's service department at Mitcheldean, Glos.

DEREK V. DUTTON,
Press and Public Relations Officer,
Rank Precision Industries, Ltd.

Was It Worth While?

SIR,—In conversation with pharmacist colleagues in recent weeks the printing strike, or rather its effects, has often come up. "One never misses water till the well runs dry" applies to the print we have come to rely on, not only for helping in our day-to-day business activities but for our entertainment. Was it worth bringing out the emergency issues—those skeletons that often arrived days late? The question did not receive a unanimous "yes." For my part I would congratulate those responsible for continuing to bring out the *C. & D.* under what must have been frustrating conditions. You never lost touch.

CONTACT

[Thank you, Contact. Certainly everyone on the editorial and publishing staffs of THE CHEMIST AND DRUGGIST regrets the shortcomings of the issues distributed during the printing strike. But some attempts will be made to catch up. The postponed Educational Number appears next week and the Annual Special issue (delayed from June) in September. But the effects of the strike are long-lasting. Our special Centenary number (extra to the weekly series cannot appear until weeks after the actual anniversary date and even the 1960 Diary and Year-book will be delayed.—EDITOR].

of 105 children with: tonsillitis, otitis media, pharyngitis, respiratory infections

83%

responded to

LEDERKYN*
SULPHAMETHOXYPYRIDAZINE

*REGD. TRADEMARK

In this trial, 75% of patients were under 2 years and given **LEDERKYN ACETYL Pediatric Suspension**—an initial dose of 30 to 40 mg. per kilo body weight, followed by a daily dose of 15 to 20 mg. The older children were given 0.5 Gm. tablets in comparable dosage. No less than 83% of cases showed excellent or satisfactory response. The drug was well tolerated, and maintained fully adequate blood levels on a single daily dose. ". . . . an advantage over other sulphonamides," concludes the author.

A.M. & C.T. Vol. 5, 3, 173 March, 1958

LEDERKYN ACETYL PEDIATRIC SUSPENSION
250 mg/5 cc. Packing and basic N.H.S. cost. Bottles of 2 fl. oz. 8/- and 16 fl. oz. £2.16.8

LEDERKYN TABLETS 0.5 Gm. Packing and basic N.H.S. cost. Bottles of 24, 15/8, 100, £2.18,8 and 500, £13.16.4

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LEDERLE LABORATORIES
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BEMAX is an asset for 6 good reasons

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- BEMAX improves and maintains health—specially in the trying months of winter and spring.
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- The price of BEMAX has never been raised since the war.
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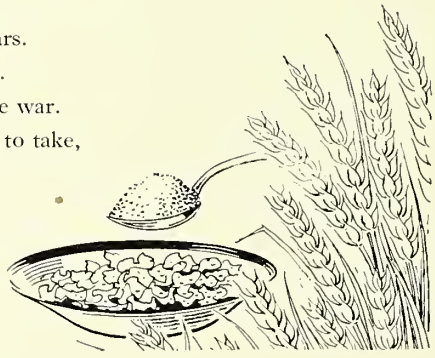

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

TELEPHONE CENTRAL 6565

Back to Normal Dimensions

THE members of the printing-trade unions in dispute with their employers having now returned to work, we are able to offer readers this week an issue of normal size and almost normal appearance, instead of the emergency issues that have been appearing in recent weeks or the slightly diminished issues before work ceased. As has been previously pointed out, THE CHEMIST AND DRUGGIST was not involved in the dispute otherwise than as a victim, and makes no comment on the settlement terms other than to hope that, for our own sake and our readers', the arrangements will be reasonably permanent.

However, it is necessary to give a warning that the resumption may be only temporary. At the present time the unions concerned, though their members are back at work, are conducting ballots to find out whether the terms of the agreement are acceptable to the majority of their members. If the ballots should go against the settlement what will happen is uncertain. It may be that we shall once more be unable to bring out full issues, though we shall hope to keep subscribers as well informed as possible by means of emergency issues similar to those we have recently been publishing. These were produced by apprentices, whose achievement augurs well for their future as craftsmen.

Important and obvious casualties of the stoppage have been the Annual Special and Educational numbers of the *C. & D.* The latter, postponed from July 18, is appearing next week, and the Annual Special on September 15. Less obvious but equally affected publications are the *C. & D.* Centenary number, which ought, in order to coincide with the date of our first issue, to appear on September 15 but which is now, perforce, postponed until November 10, and the *C. & D. Diary and Year-book,* which must now take a new position in the order of printing priorities and is certain to be delayed, though by how much is not yet known. Other planned special numbers (Christmas goods, British Pharmaceutical Conference) will, assuming no further interruption, appear as announced. We keep our fingers crossed.

The Seesaw of Prices

WHEN the third report of the Council on Prices, Productivity and Incomes was issued on August 7 (H.M. Stationery Office, 2s.), the point seized on by most of the national Press was a recommendation that industry should reduce prices. The relevant passage in the Council's report was: "If the rise in output per head comes about, and money rates of pay and the prices of imported materials do not go up, then unit costs will fall. This offers a most timely and important opportunity to reduce prices. If prices of manufactures could be reduced now, the break in the inflationary spiral of the past would be prolonged and this would greatly improve the prospects of going forward without renewing it. The economy would gain practical experience of how real incomes can be raised without pushing up money incomes. Reductions in price in the sectors where productivity is rising diffuse the benefit without a competitive raising of rates of money income all round. By stimulating demand, lower prices promote the expansion of output which is necessary to take full advantage of modern productive techniques. Thereby they maintain employment: if the productivity of a particular industry is raised and prices are not reduced, sales will not be extended, and the effect of the improvement in productivity will be to reduce the number of workers in that industry and not to increase its output."

So far as the drug trade is concerned, the prices of imported crude drugs and essential oils are once again on the upturn. The lower rates ruling over the past year or so have caused the overseas producers to turn to other things for employment with the result that many commodities are scarce and prices are now reflecting that scarcity. So it may be impossible for manufacturers to hold prices at their present levels much longer, let alone reduce them.

Meanwhile, how has the pharmaceutical industry been dealing with prices of their finished goods in the past few months?

Of the drugs, chemicals, galenicals, etc., listed in the *C. & D.* Drug and Dispensing Price List, ninety-four items have moved up (one commodity, glycerin, being responsible for a good number of them) and sixty-three down. Of the price movement notices received from manufacturers of proprietary medicines, February to June, nine products were marked up while forty-three were lowered. The latter does not include a wide range of corticosteroids which were substantially reduced in that period, nor the changes brought about by the Budget.

We hold that to be a creditable performance and one which should be brought to the attention of certain members at Westminster when they return (if they do return) there in October.

Natural and Synthetic Insecticides

ALTHOUGH the United States has spent thousands of dollars each year during the past decade on research into synthetic insecticides, that country is the largest buyer of the natural insecticide pyrethrum, taking 60 per cent. of Kenya's production each year. With exports running at £1·5 millions, pyrethrum comes third in value in the colony's exports. Kenya produces two-thirds of the current African crop of 7,000 tons per year (Tanganyika and Belgian Congo supply the remaining third) and the African Pyrethrum Board plans to lift production to 10,000 tons yearly by 1960 because demand at present exceeds supply. The Board is doing that in the knowledge (a) that, so far, there is nothing so effective as pyrethrum as a "knock-

down" agent, (b) that although pyrethrum is an expensive article in itself (72s. per lb. for 25 per cent. extract), only small quantities are required in the finished product to make it effective, and (c), that the world is becoming more and more conscious of the disease-bearing activities of flies and the need, therefore, to "swat that fly." The introduction of aerosols, many of which contain pyrethrum, has made that task a simple operation.

Dr. T. F. West mentioned in his address to the Royal Society of Arts earlier in the year (*C. & D.*, February 28, p. 235) that the general increase in the number of species of insects that have developed resistance to the newer synthetic insecticides has also stimulated interest in the natural product, especially since the insects have not become tolerant toward pyrethrum to any significant extent. So the immediate future for pyrethrum seems assured.

A NEW FILM

A Simple Method of Cataract Extraction using Zonulysin (alpha-chymotrypsin)

MACQUEEN FILMS, LTD., for *S. Maw, Son & Sons, Ltd.*, Barnet, Herts. 16-mm. Sound and colour. Running time 16½ minutes.

IF cumbersome, the title of this workmanlike and straightforward film is accurate and descriptive. The film, after a diagrammatic explanation of the function of alpha-chymotrypsin in dissolving-out the suspensory ligaments that bind the lens of the eye to the ciliary body, demonstrates how successfully the theory is, in the hands of so clearly expert an eye surgeon as Mr. Leonard Lurie, translated into practice. The delicate surgical manipulations are admirably shown, and the ease of removal of the lens when the enzyme has had its carefully timed effect is illustrated not once but several times. The method already claims over 100 successes, and the film should do much to widen the use of the technique. Inquiries for showings should be made to the pharmaceutical marketing manager of Messrs. Maw.

FIFTY YEARS AGO

CHEMISTS' ASSISTANTS' HOURS

From the C. & D., *August* 14, 1909

THE Shops Bill which the Home Secretary introduced last week in the House of Commons is not to be carried any further during the ensuing Session. We gave last week (p. 267) an indication of the scope of the Bill. Clause 1 specifies that a shop assistant shall not, save as otherwise provided by this Act, be employed about the business of a shop—

(a) For more than sixty hours (exclusive of meal times) in any week; or

(b) after eight o'clock in the evening on more than three days in any week.

Clause 2 refers to overtime: one sub-clause providing that an assistant may not work after eight o'clock in the evening on more than three days in the week. Sub-clause (b) given above will, in regard to chemists' assistants, be non-operative, as shown by Clause 23 of the Bill, which is as follows:

(1) Where the sale of medicines or medical or surgical appliances is carried on in any shop, so much of Part I of this Act as prohibits the employment of a person after eight o'clock in the evening on more than three days in the week shall not apply as respects shop assistants employed for the purposes of such sale.

(2) Nothing in this Act shall prevent customers being served with medicines or medical or surgical appliances on any week day after the hour at which the shop in which they are sold is required to be closed by or under Part II of this Act, or on Sunday, or shall prevent a shop assistant so serving customers notwithstanding that he may be employed for the purpose contrary to the provisions of Part I of this Act.

We may add that Part II of the Bill makes early closing on one day of the week compulsory, and every shop must be closed for the serving of customers on Sunday (with exceptions in the case of neighbourhoods inhabited mainly by Jews and certain London street markets held on Sunday mornings). It follows, then, that, although shop-assistants may not be employed for more than sixty hours in any week, customers will still be able to obtain "medicines or medical or surgical appliances" after eight o'clock and on Sunday.

PREVENTION OF MOTION SICKNESS

E. M. GLASER

THE number and variety of useless remedies advocated against motion sickness is unparalleled, ranging from vitriol and red herrings in the nineteenth century to tight compression of the neck and intravenous sodium bicarbonate in our lifetime (Glaser, *Proc. roy. Soc. Med.*, in preparation). Apparent successes of such procedures are due partly to the fact that motion sickness often gets better on its own, owing to habituation (Glaser and McCance, *Lancet*, 1959. **i.** 853), and partly to the fact that the same person may react differently to different kinds of motion, some becoming sick on small boats and some on large ones, some on aeroplanes and some on buses, though there are people who are sick on any transport. Yet it is possible to design experiments that exclude all accidental influences. Each volunteer then receives each treatment in turn but in random order, so that every treatment is preceded by every other treatment a similar number of times. All the drugs are indistinguishable from each other and from an inert dummy substance, and neither those taking the drugs nor those interpreting the results know who had taken what on which occasion. The results are assessed objectively by obervers, and checked by scientifically designed questionnaires as soon as the motion has ceased.

So far such techniques have only been used for short journeys resembling a flight in bad weather by aeroplane, or a bad trip across the channel by ship, or an alpine journey by bus (Glaser and Hervey, *Lancet*, 1951. **ii.** 749; 1952. **i.** 490; Chinn *et al.*, *J. appl. Physiol.*, 1953. **6.** 257; Glaser and McCance, see above), but in all those experiments hyoscine hydrobromide in single doses of 1 mgm. protected the vast majority (up to 94 per cent.) of those who might have otherwise been sick or felt sick. Four further experiments are on record (see Glaser and McCance) done by various groups of workers in England, the Indian Ocean, and America, and in these eight series of experiments hyoscine hydrobromide 0·6–1 mgm. was compared with every other drug or combination of drugs now in general use against motion sickness, but it was significantly more effective than all others. Surprisingly, in these objective and double-blind experiments hyoscine invariably produced the fewest side effects while the subjects were exposed to motion. In doses of 0·65 to 1·2 mgm. it also causes little or no impairment of skilled performance, no more indeed than other remedies (Holling *et al.*, *Lancet*, 1944. 127; Payne, *Internat. Rec. Med.*, 1955. **168.** 32). Thus for short exposures hyoscine has a unique and dominating position which has never been approached by any other drug. It is, moreover, well tolerated by children in doses of gr. 1/200 (Nicholls and Warson, *New Eng. J. Med.*, 1939. **221.** 888) or of 0·25–0.50 mgm. (Glaser, *Lancet*, 1952. **II.** 341) and it is cheap (not covered by patents).

Thousands of tests have been carried out on long journeys, but the principal ones among these are invalidated by a serious flaw in the design of the experiments (see Glaser and McCance). Meclozine hydrochloride (Ancolan, Bonamine, Postafene), a substance with an action which persists for more than twenty-four hours, appeared to be best in those tests.

"OPEN SHOP"

AN UNSCRIPTED COMMENTARY ON THE SPECIAL PROBLEMS OF THE PHARMACIST IN RETAIL PRACTICE

E. C. TENNER

SO far the weather has been unusually kind to pharmacists this summer season. For at least two months the public has been needing protection from the sun. Lotions and spectacles have played their prominent and profitable part, and there have been only a few of those dull days which discourage the amateur photographer. Stocks that were bought a year ago have at last been cleared. However, travellers who come bouncing in to persuade me to fill up stocks for the rest of August and for September will be met this year with much more caution. I shall not forget that in July 1958 we sold out of many lines and bought optimistically at the very end of the month. Then the weather broke, the sun stopped working for me and valuable capital froze on my shelves. One cannot profitably assume that August and September will be fine and warm because June and July were unusually warm and dry. This year, so far as possible, I shall use the excellent services of my wholesaler for the risky second half of summer.

Basic N.H.S. Price

It is most disappointing, and slightly disgraceful I think, that eminent "ethical" manufacturers of proprietary preparations continue to include what they call "basic N.H.S. price" in the literature they circulate to doctors. They acknowledge that that price is not the full cost to the Health Service by stating that oncost and dispensing fee must be added to the *basic* price. They are ignoring the recent advice of the Hinchliffe Committee that the *retail* price should be stated in their literature. Whereas the retail price so easily gives a fair idea of the approximate final cost of any preparation to the Service, how many doctors know what oncost is or what is the appropriate dispensing fee?

In the face of the Hinchliffe Committee's recommendation to use retail prices, continued use of the "basic" price looks uncommonly like an attempt to give the busy doctor an impression of a cost that is less than the true figure. Now that full pricing of prescriptions is upon us, doctors will come to resent misleading information that could tend to make their personal prescribing costs higher than they intend.

Satisfaction I feel now that every item I dispense is to be individually priced is badly blunted by the failure of 65 per cent. of the private chemists who were invited to do so to give the information required for the inquiry into dispensing costs. Like every other chemist contractor, I believe the dispensing fee is too low, but that belief must be substantiated before the Treasury will allow any increase to a fair and proper figure for payment out of public funds. Already we are paid for our work on a basis agreed to be more than a year out of date. Proper settlement is offered to us by the Government. It is denied to us by two out of every three of our own selves who, privileged to speak for all of us, yet remain silent. In view of the fact that the National Pharmaceutical Union offers to pay the fees of contractors' own auditors to prepare the answers to the questions asked, that can only mean either that two out of three are so inefficient that they have no proper records of their businesses, or that they are too lazy or insensible to make the effort to call in their auditors. Whichever is the cause, their disloyalty betrays the whole profession and holds us all up to ransom. It might help the rest of us to bear the long wait until new payments are agreed if we could be told what is being done to obtain the required information. Cannot other, more willing, chemists be chosen to take the place of the silent 65 per cent.? If not, then could not the names of the uncommunicative ones be published, so that their friends might go along and persuade them that they must not any longer continue to sabotage the hopes of the rest of us? The suggestion of publicity might bring about the desired effect.

The printing restrictions suffered by our pharmaceutical Press certainly bring home to one the realisation of the important place that that oft-maligned Press occupies in one's professional and business life. One cannot help feeling isolated and cut off from that flow of fact and opinion that is normally fully expressed week by week in the columns of our favourite periodicals. The opinions and the facts exist, but *we must know about them* in order to play our part. For instance, the result of the National Pharmaceutical Union's referendum on the proposed "advertising scheme" has passed almost without comment. If there had been a substantial majority of the 61 per cent. votes returned favourable to the scheme, I think we should have been given the figures. As it is, we have been told by the N.P.U. supplement that there is a "very substantial body of opinion" among the members in favour of a publicity campaign on the lines outlined in the broadsheet." We are told the exact number (39 per cent.) of the members of the N.P.U. who did not return their votes. Why cannot we be told how the 61 per cent. voted? The form of words used in the supplement makes a mystery where none should be, even in a printing blackout. Or do the scheme's protagonists dislike announcing their defeat?

Doctors' Prescriptions

I am now quite convinced that chemists are too long-suffering in respect of the trouble and expense caused them by doctors' careless prescribing. All patients have been well brain-washed with the idea that the doctor is too busy to be blamed for incomplete prescriptions or even prescriptions with wrong patients' names on them. Those same patients expect their medicines correctly dispensed within a few minutes—"or else I'll take it elsewhere; they are only tablets anyway!" Ringing a doctor the other day about a prescription for a preparation which did not exist, I was met with "I knew you'd ring me up about it and I should be able to ask you how to prescribe what I want." Yesterday I had to ring another doctor about another strange word he had written—he verified, quite rudely, he had written what he wanted. After I had phoned my London agents and the doctor again, he agreed he had coined the word to describe two constituents of a preparation. Comment is unnecessary, but we chemists must shout together with a loud voice against sloppy prescriptions. They are not a joke. It is not too much to say, as every pharmacist thinks, that they are a disgrace to the medical profession.

ON NOT FORGETTING THE "KNOW HOW": You may forget how to make a pill or cachet an emulsion. Knowledge fades when not applied. It is always at hand for a "recap" if you keep at hand a copy of "The Art of Dispensing" (office of THE CHEMIST AND DRUGGIST, price 22s. 4d., post free).

EXAMINATION RESULTS

Successful Pharmaceutical Chemist candidates in England and Wales

THE following candidates have satisfied the examiners in the Pharmaceutical Chemist Qualifying examination held by the Pharmaceutical Society in England and Wales in June (†=Certificate withheld pending evidence of practical training or age):—

Alexander, G. N., Andover
†Arnold, Diane, Liverpool
†Bacchus, T., Portsmouth
Barnes, M. J., Chichester
Barrett, R. M., King's Langley
†Bee, Barbara A., Leicester
Beeby, J. F., Stanmore
†Bellward, E. W., Leicester
†Bennett, A., Ilford
†Bentley, Gillian R., Forest Gate
Bickler, R. N., Leeds
†Blackburn, R. F., Southall
Bounds, G. S., Eastbourne
†Bowley, J. T., Tunbridge Wells
Bradshaw, I. H., Wigan
Britton, D. T., Uckfield
Broomby, M. R., Llanfechain
Brown, D., Tonbridge
†Bryett, S. E., Islington
Budden, Norma D., Poole
†Bulhak, Sophia, Holloway
Burney, C. W., Bradford
†Burns, H., Chiswick
†Calder, Francis J. M., Golders Green
Cam, J. H., Sheffield
†Canty, J., Manchester
Carter, A. C., Stourbridge
Cleverdon, R. A., Rhondda
†Clive, G., Johannesburg
†Colclough, Noreen P., Newcastle
Coulson, Gillian M., Virginia Water
†Cox, M. F., Brighton
Crouch, G. W., Downham Market
Davies, R. W. A., Shrewsbury
Davis, M. R., Bournemouth
Day, J. A., Swansea
†Denning, Heather, Plympton
†Dewsbury, A., Barnsley
Dorken, D. H., Ware
Downes, D. F., Stockport
†Dunn, Ruby L. A., Shoeburyness
Durant, Jessica A., Plymouth
Dwight, B. A., Chesham
†Edwards, S. A. W., Colwyn Bay
Ennion, Barbara, Stockport
Eyre, Margaret D., Northampton
Flaherty, J. J., Liverpool
Ford, J. W., Fulham
†Foulger, S. D., Birmingham
†Gardiner, R. N., Hereford
†Glassman, J. D., Stamford Hill
†Goldberg, B., South Hackney
†Goodman, I., Palmers Green
Goss, Jill M., Ipswich
Gould, R., Liverpool
†Green, D. M., Harrow
Grigg, A. J., Leicester
†Guscott, Geraldine M., Bristol
†Halford, Lynette R., Norwich
Hardman, Barbara A., Coventry
†Hartley, Roberta G., Balham
†Harvey, K. E., Nottingham
Hatfield, J. C., Sheffield
Hazrati, A. K., Torquay
†Heslop, Angela C., Wilmslow
Hewer, Betty D., Cirencester
†Hill, Barbara A., Plymouth
†Hillard, M. D., Moreton-in-Marsh
†Hirst, D. M., Prescot
†Hodder, D. E., Bournemouth
†Hodder, M. R., Weymouth
Horsfall, Anita H., Todmorden
†Hughes, Wendy M., Skewer
Hurst, J. B., Derby
†Isaac, Marian E., Llandyssul
†Isaacs, M. J., Hendon
Jackson, G., Long Eaton
Jackson, Sheila, Leicester
†Jacobs, Rosalind B., Hendon
†Jobling, Julia E., Burnley
Jones, A., Portmadoc
Jones, G. S., Stourbridge
†Kaye, R. J., Leicester
Keeling, C. J., Derby
Kent, Marion J., Nottingham
†Kleiner, D. P., Edgware
Law, B. C., Stourport-on-Severn
Learner, L., Golders Green
†Lerman, J., Bulawayo
†Lewis, Angela M., Worthing
Lewis, Eileen W., Heswall
†Lewis, R., Stoke Newington
†Lilley, Kathleen, Sheffield
Lim, C. M., Brighton
Lindsay, P. J. E., Cannock
Lowe, W., Stoke-on-Trent
Luckhaus, B. R., Mill Hill
†Marks, Julia, Hove
†Marsden, D. P., Southsea
†Martin, Hilary J., Crawley
†Metcalfe, G. A., Southsea
Miller, G. R., Bolton
†Mills, M. A., Swindon
†Mills, R. C., Iver
Moore, Patricia O., Leicester
Morrell, Rosemary A., Leicester
†Morrison, J. C., Finsbury Park
Moss, Joan M., Newton Abbot
Muir, C. W., Liverpool
Neal, E. T., Wealdstone
Noble, R. E., Birmingham
O'Brien, E. H. D., Allerton
†Oriuwa, M. O., Brighton
Pannett, P. A., Hailsham
Park, Jean R., Wolverhampton
†Parker, Mary A., Nottingham
Parton, A. J., Stoke-on-Trent
†Patel, J. P., Earls Court
†Patel, U. C., Huddersfield
†Pearman, Vanda M., Portslade
†Phillips, P. M., Norwich
Phillips, R., Wellington
Picken, S. L., Stoke-on-Trent
†Pollack, D., Liverpool
Pumfrey, J., Great Yarmouth
†Purchen, Susan E., Willesden
†Purse, Mollie, Nottingham
Refson, G., Liverpool
Regan, Kathleen, Bristol
†Reynolds, K., Cheltenham
Reynolds, M. A., Newport, Mon.
Richardson, D. E., Ilford
Ridge, J., Cricklewood
†Robinson, J. D., St. Albans
†Rosenbaum, Anne D., Stamford Hill
†Rucker, W., Ellesmere
Rushworth, H. G., Shrewsbury
†Russell, Margaret, Westcliff-on-Sea
Rutherford, J. S., Birmingham
†Savage, Anne M., Harrow
Seccombe, P. C. H., Broadstairs
Selby, Barbara D., Halifax
†Shah, R. V. P., Sunderland
†Sheard, C., Leeds
Sheasby, Barbara A., Salisbury
Shenton, D. C., Godalming
Shimmin, Brenda M., Liverpool
†Silver, E., Bethnal Green
†Sims, Gillian, Letchworth
Smith, Jean M., Plymouth
Smyth, R. W., Wallington
South, M. J., Mottingham
Sprince, M., Liverpool
Stacey, J. L., Palmers Green
†Stern, M., Stoke Newington
†Stiby, Ann, Beaminster
Stocks, A. B., Peterborough
†Summers, C. J., Maida Hill
†Sutaria, R. H., Bombay
Sutton, N., Stoke-on-Trent
Swan, B. M., Maidstone
†Swinburne, P. A., Eastbourne
Teal, G. M., Wellingborough
†Templeman, B. J., Mitcham
†Thacker, T. H., Burnley
Thirkill, M. R., Huddersfield
Thomas, A. R., Derby
†Thomas, D. J., Rochester
†Thomas, Hilary, Lambeth
†Thorne, J. D., Newport, Mon.
†Ticehurst, Patricia E., Grays
Tomlinson, Dorothy A., Sutton-on-Sea
Vosper, R. L., Cowbridge
†Walkland, Margaret R., Sheffield
†Waller, T., Forest Gate
†Walsh, Angela L., Fishguard
Watton, J. E., Westcliff-on-Sea
†Way, Janet, Poole
†Wearn, C. J., Birmingham
Webb, D., Scunthorpe
West, June M., Aborfield
Wheeler, C. D., Cardiff
Whittington, J. M., Marston Moreteyre
†Whittington, Rosemary A., Sutton Coldfield
†Wilder, Dorothy M., Northolt
†Wilkes, G., Crookham
Wilkes, G., Wolverhampton
Williams, G. M., Port Dinorwic
Williams, J., Coventry
Williams, R. I., North Kensington
†Wilson, Susan E., Liverpool
†Winteridge, E. L., Southampton
†Wise, Ann, Bedford Park
Wood, B. P., Liverpool
†Wood, Dora M., Chester
Wood, M. J., Leicester
Woods, A. C., Harrow Weald
Yardley, Betty, Wolverhampton
†Zell, Renee, Golders Green

Successful Intermediate Examination candidates in England, Wales and Scotland

THE following candidates satisfied the examiners in the Intermediate examination held by the Pharmaceutical Society in England and Wales in July:—

ARMOUR, D. J., Fleetwood; ARMSTRONG, S. R., Isle of Man; ASTON, B. W., Wednesbury; ATTWOOD, Margaret, Birmingham; BALLANTINE, Margaret G., Wainfleet; BARRY, D. P., Clapham Common; BEALE, G. A., Coalville; BECKETT, Mary D., Bolton; BEESTON, Janet E., Allestree; BENNETT, H. W., Kenilworth; BLAKE, Sheila A., Cardiff; BRICKLEY, A., Cannock; BRYAN, Jennifer J., Wigan; CHALLINOR, C. W., Shrewsbury; CLAXTON, L. C., Bexleyheath; COLEMAN, H. C. B., Cardiff; COOPER, M., Poole; COULSON, P. N., Cambridge; COUSINS, M. H. S., Chatham; CRITCHLEY, I. H. J., Swindon; DAVIES, P. L. M., Sketty; DEAN, P. B., Oxford; EDWARDS, G. J., Dartford; ELLIS, Mary I., Swansea; EVANS, E., Crewe; FRENCH, H. T., Eastbourne; GOSLING, D. A., Bristol; GRIFFITH, T. G., Walsall; GRIFFITHS, D., Darlaston; HAGGAR, K. I. Tunbridge Wells; HILL, M. A., Bristol; HODGES, K., New Tredegar; HOFF, Janet P., Boston; HUDGINS, D., Derby; ISAACS, S. E., Manchester; JACKSON, Helen M., Bideford; JENKS, K. G., Birmingham; JOHNSON, Christine M., Warwick; JONES, L. M., Battersea; JONES, O. J., Caerns; KARABET, H., Bournemouth; KEMPSON, M. R., Oxford; KENNY, Daisy J., Burton-on-Trent; KING, J. E., Balham; KING, Ruth, Cardiff; KIRKHAM, Barbara M., Bolton; LLOYD, Mary P., Tipton; LOCKWOOD, A. F., Wigan; MACGIBBON, P. R., Manchester; MCINTYRE, Sheila M., Bournemouth; MCKENNA, Margaret A., Blackpool; MICKLEBURGH, R., Bungay; MILDENHALL, Valerie A., Hailsham; MOLD, Patricia M., Weston-Super-Mare; NASH, G. E., Haverfordwest; OWENS, F., Horwich; PEARSON, Christine M., Leicester; PHILLIPS, Eileen A., Tipton; POOLE, A. S., Birkenhead; POUND, S. C., Romford; PROFFITT, Margaret L., Wolverhampton;

PROUT, Doreen E., Newhaven; PURSLOW, J., Ealing; RABBETT, J. A., Tunbridge Wells; RADFORD, C. J., Belper; RATCLIFFE, D., Bury; REES, Gillian S., Hengoed; REEVE, B. H., Woodbridge; ROSE, G. H. A. H., Stourbridge; ROSS, Barbara G., Wigan; SAINT, J. A., Romsey; SANDERSON, Janet, Lincoln; SEALEY, Jennifer A., Highcliffe; SEWART, Margaret J., Liverpool; SMITH, Kathleen G., Hampton-in-Arden; SPARROW, R. K., Potters Bar; STRETTON, Molly, Birmingham; TANDY, Barbara M., Bolton; THOMAS, G. M., Merthyr Tydfil; THOMPSON, Grace A., Doncaster; TURNBULL, K., Southall; TURNER, B. T., Cannock; UPADHYAYA, R C., Brighton; WARD, G. F., Eastbourne; WEAVER, G. J., Bristol; WHITE, M. E., Dudley.

The following candidates were successful in the Society's Intermediate examination held in Scotland in June:—

BANCROFT, J. E., Kilmacolm; BLAND, L. M., Shipley; BOATH, Judith A., Arbroath; BOURGET, J. L., St. Peter Port; BRIGGS, Heather S., Whitehaven; BROWN, Madeleine, Newbiggin; CENEY, F., Sutton-in-Ashfield; CHASTON, Susan M., Skipton; CHRISTIE, W. C., Burntisland; COLLIN, Dorothy, Billingham; COWAN, J. R., Sheffield; CROWDER, B., Easington; CULLEY, Joan H., West Hartlepool; DAVENPORT, Barbara I., Scunthorpe; DAWSON, A. M., Hereford; DEADMAN, B., Halifax; DELANEY, Mary A S., Dunfermline; DENSHAM, C. H., Leicester; DONN, C. P., Cullercoats; FLETCHER, J. R., Bramcote; GRAHAM, I., Whitehaven; HALL, J. D., Nottingham; HARRIS, Elizabeth, Arnold; HOBSON, Katherine M., Newcastle-upon-Tyne; HUNTER, A. B. H., Tillicoultry; JENKINSON, Sybil M., Bradford; JOLLY, Ann C., Leeds; LAWSON, Pamela A., Stockton-on-Tees; MCFARLANE, A., Glasgow; MCWILLIAM, J. F., Malvern; MARWOOD, Christine, Durham; MEADE, Janice, Durham; MITCHELL, Beryl, Leeds; MORRIS, Beryl, Sunderland; MORTON, D., Paisley; NICOLL, D., Gateshead; NIXON, T. T., Bishop Auckland; PEARSON, Barbara, Waterhouses; RAWLINSON, J. A., Bradford; RHODES, A. C., Nottingham; ROSS, J. S. O., Lower Largo; SHACKLETON, Audrey, Keighley; SHODIPO, E. O., Redhill; Taylor, Barbara L., Falkirk; THOMPSON, G., Sunderland; VYNER, P., Leeds; WATT, Jean F., Fraserburgh; WILSON, B. J., Nottingham; WILSON, Valerie A., Durham.

PRICING OF PROPRIETARIES

Revised list of specified packs

A REVISED list of proprietary preparations, giving the respective pack sizes, according to which National Health Service prescriptions dispensed from October 1, will be priced, has been agreed by the Central National Health Service (Chemist Contractors) Committee. The preparations and the quantities upon which prices are to be based after that date are as follows:

PREPARATION	PACK
Achromycin capsules 250 mgm.	100
Achromycin V capsules 250 mgm.	100
Actidil tablets	100
Agarol	80 fl. oz.
Aludrox	80 fl. oz.
Aludrox tablets gr. 13	500
Amesec Pulvules	500
Amytal tablets gr. ½	500
Amytal tablets gr. ¾	500
Ancoloxine tablets	50
Anorvit tablets	500
Ansolysen tablets 40 mgm.	500
Anthisan tablets 0·1 gm.	500
Antoin tablets	250
Anusol suppositories	100
Asmapax tablets	250
Atarax tablets 10 mgm.	100
Avomine tablets	250
Becosym tablets	500
Bellergal tablets	250
Benadryl capsules 50 mgm.	500
Benadryl elixir	16 fl. oz.
Bernerva compound tablets	500
Benylin expectorant	80 fl. oz.
Beplete elixir	40 fl. oz.
Beplete tablets	250
Beplex capsules	250
Buscopan tablets	100
Butazolidin tablets 100 mgm.	250
Cafergot tablets	100
Carbrital capsules	250
Cardophylin tablets	250
Chloromycetin capsules 0·25 gm.	100
Choledyl tablets 200 mgm.	500
Codis tablets	500
Complevite tablets	120
Cosylan	16 fl. oz.
Cremosuxidine	16 fl. oz.
Cytacon tablets	250
Dexedrine tablets	1,000
Diamox tablets 250 mgm.	100
Disprin tablets	500
Distaquaine V tablets 125 mgm.	100
Distaquaine V tablets 250 mgm.	100
Dramamine tablets	100
Drinamyl tablets	1,000
Dromoran tablets	200
Edrisal tablets	500
Effico	80 fl. oz.
Epanutin capsules 0·1 gm.	1,000
Ephynal tablets 50 mgm.	500
Equanil tablets 400 mgm.	250
Ethnine	2 litres
Femergin tablets	100
Fergon tablets	1,000
Ferraplex "B" tablets	250
Ferromyn tablets	1,000
Ferromyn "B" tablets	1,000
Fersolate tablets	1,000
Franol tablets	500
Gantrisin tablets 0·5 gm.	100
Gelusil tablets	500
Hypon tablets	600
Lanoxin tablets	1,000
Largactil tablets 25 mgm.	500
Mandelamine tablets	500
Metatone	80 fl. oz.
Migril tablets	100
Minadex	80 fl. oz.
Mixogen tablets	250
Multivite pellets	500
Mycardol tablets	1,000
Nembutal capsules gr. 1½	500
Nulacin tablets	25
Orthoxicol syrup	16 fl. oz.
Panadol tablets	500
Paynocil tablets	240
Penicillin V Pulvules 125 mgm.	100
Penicillin V Pulvules 250 mgm.	100
Peritrate tablets	500
Phenergan tablets 25 mgm.	500
Phensedyl linctus	40 fl. oz.
Physeptone tablets 5 mgm.	100
Piriex	2 litres
Preludin tablets	250
Priscol tablets 25 mgm.	200
Pro-Banthine bromide tablets	100
Prodexin tablets	240
Rauwiloid tablets 2 mgm.	500
Rauwiloid plus Veriloid tablets	500
Romilar syrup	500 mils
Ronicol tablets	250
Saluric tablets	500
Seconal Sodium Pulvules gr. 1½	500
Senokot tablets	200
Serpasil tablets 0·25 mgm.	500
Sodium Amytal Pulvules gr. 1	500
Sodium Amytal Pulvules gr. 3	500
Sonalgin tablets	500
Soneryl tablets gr. 1½	500
Sulpenin V tablets	100
S.V.C. tablets	100
Terramycin tablets 250 mgm.	100
Theogardenal tablets	500
Tuinal Pulvules gr. 3	500
Urolucosil tablets	250
Veganin tablets	500
V-Cil-K tablets 125 mgm.	100
V-Cil K tablets 250 mgm.	100

MANUFACTURERS' ACTIVITIES

"OPEN DAY" AT GLASSWARE FACTORY.—The first "open day" at the Stone (Staffs) factory of Quickfit & Quartz, Ltd., held recently was described as "an unqualified success" by Mr. E. S. Pearse, the works director. Some 350 relatives and friends of employees or members of the general public were entertained and introduced to the processes involved in production of laboratory apparatus and chemical plant glass.

Visitors were first shown a film made at the glassworks of Pilkington Brothers at St. Helens which explained how various types of glass were made and the varied uses to which they may be put. There followed a tour of all production departments, development laboratories and medical welfare surgery. Considerable interest was shown in a display in the development department where some of the uses of more specialised apparatus were demonstrated.

Professor E. van Dalen and Professor Y. Coops, together with thirty-five graduates and undergraduates of the Free University of Amsterdam also visited the glass works during July.

Mr. E. L. Harrison (sales director) escorted the guests over the works and afterwards they were entertained to lunch.

STATUTORY COMMITTEE

A pharmacist optician and the Pharmacy Acts

THE Statutory Committee of the Pharmaceutical Society on July 1 considered the case of a pharmacist who had been convicted at a magistrates' court of illegally selling a poison included in Part 1 of the third schedule to the Poisons List Order, 1958 (a salt of codeine contained in Codis tablets), the sale not being effected by or under the supervision of a registered pharmacist and so contrary to Section 18 (1) (a) (3) of the Pharmacy and Poisons Act, 1933. For that offence he had been fined £2 and ordered to pay £3 3s. costs. The solicitor for the Society (Mr. A. C. Castle) stated that the complaint appeared comparatively simple, and not a serious matter, but in the third paragraph of the notice of the Statutory Committee there were some additional words, which were not normally included. They were: "And I further give you notice that . . . the Committee will hold an inquiry . . . for the purpose of ascertaining the facts in relation to the matters aforesaid and the circumstances which led to your conviction." "I shall ask the Committee to come to the conclusion that in this case, although the offence to which the pharmacist pleaded guilty was on the face of it not a serious offence . . . the circumstances show a serious state of affairs."

Mr. Castle stated that the pharmacist owned three pharmacies in a seaside town. The first was on the seafront and occupied a prominent position, and the pharmacist concerned was in charge of it. The second and third pharmacies were in the charge of other pharmacists. The pharmacist concerned was also an optician, but practised optics not at the pharmacy on the seafront but at one of the branch shops and at another address (a business owned by his wife).

Inspector's "Routine" Visit

On November 25, 1958, Mr. Booth (one of the Society's inspectors) made a routine visit to the pharmacy on the seafront. He entered the shop and asked for the pharmacist who, he was told, was not on the premises. Certain information given by an assistant led him to believe the pharmacist was at his wife's premises. When he called there Mr. Booth found that the shop was a drug store. In the window there was a neon sign, about 6 in. in height, showing the word "Optician." In the drug store the inspector found ahead of him a door on which were painted the words "A.B.C—, F.B.O.A." and nothing else.

The inspector came to the conclusion that the pharmacist was on the premises, though not available when the inspector asked to see him. At the seafront pharmacy the inspector purchased aspirin and Codis tablets, and later, when the pharmacist returned, showed him the Codis tablets and said he had bought them from an unqualified member of the pharmacist's staff and that he must report the sale to the Society. The inspector, who had by that time a good idea of the general set-up of the business, suggested that the pharmacist should engage another to act as his deputy at the seafront branch so that, when he wished to attend his optical appointments, he could leave the pharmacy in charge of a properly authorised person. The pharmacist replied, among other things, that he had a poor opinion of the present-day pharmacists, and found it difficult to engage competent and reliable managers. The inspector then suggested that the pharmacist might conduct his optical practice at the seafront shop. That idea was not apparently well received. The pharmacist admitted that the shop was open from 9 a.m. to 10.30 p.m. on seven days a week. The inspector pointed out that it was not possible to have one pharmacist working those hours seven days a week. Because of his optical appointments, the pharmacist would give no assurance that the position would be improved so far as his own attendances at the pharmacy were concerned. It was clear that his business interests conflicted with the Pharmacy Acts. The conversation finished, said Mr. Castle "In my submission in the most extraordinary way." The pharmacist received a message that he was wanted elsewhere. "He ran his hand through his hair and said something like 'Isn't life awfully trying?' shook the inspector's hand and walked out of the pharmacy," knowing that the inspector was the only pharmacist on the premises.

Cross-examination

During cross-examination the pharmacist said that it was true he did sight-testing at a branch, but he usually tried to arrange his appointments so that he was back "in between times." The afternoon of the inspector's visit was exceptional. He had a flood of appointments and that had resulted in his being away from the shop rather longer than usual—possibly two hours. Counsel asked "When you leave the premises in those circumstances do you give any instructions with regard to the sale of poisons?" and the pharmacist replied "I am afraid that, up till that time, I did not. I realise that was an error, and it is now being done." "What steps have you taken since that time to see that this sort of thing does not happen again?" "Since that occurrence I have taken all Part 1 poisons out of the shop into the dispensary and put in a separate shelf. I have also warned all the staff that on no account is any poison to be sold or any dispensing carried out while I am not on the premises." The pharmacist said he had obtained the services of a pharmacist for one day a week and some evenings. The business was primarily concerned with sunglasses, sunburn lotion, cameras, films and so on. There were few sales of poisons, or of medicines. There did not seem to be a hope of getting a qualified assistant: he had tried for over twelve months. "A pharmacist would not work those hours, for one thing." When asked by his counsel if the inspector had suggested it would help if optics were practised at the seafront shop and not at the other premises, the pharmacist replied: "Yes. I pointed out that in the winter months, when I do most of my sight testing, people cannot even stand up on the promenade some days, let alone have their eyes tested." During further cross-examination by the chairman (Sir David Cairns, Q.C.), the pharmacist said he was now confining his optical appointments to one day a week, when he had some qualified assistance. At other times an odd one might come in which he could not avoid, and then he would give instructions that no poisons were to be sold while he was out. In reply to questions, the pharmacist stated that his wife was also interested in another drug store at a holiday camp not open to the public. "Do you have anything to do with that business?" "The supply of goods that I take down at night when I have finished work." "At 10.30 p.m.?" "Yes."

Pharmacist's Subsequent Action

In his final speech to the committee counsel for the pharmacist stated that the pharmacist "Has made certain that all poisons are brought into the dispensary, and he has instructed the staff that no dispensing or sale of poisons is to be carried out while he is out. He has taken on extra assistance and is endeavouring to lighten the load upon himself by selling one of his optical businesses. You may feel that, while he has perhaps been careless in the extreme prior to this, you may accept from him his undertakings that he will see that the requirements of the Acts are complied with strictly henceforth.

The sight testing he says is not a big part of his business—only five tests on average a week, which would not take up a great deal of time." The point had been raised who was looking after the pharmacy when sight testing was taking place. "With the greatest respect, it was the Society's inspector who suggested that it might well have been done at the seafront shop. It may well be that he could, if there had been sufficient space, have carried it out there, but you heard there was insufficient space, and you heard that during the winter, when most of the sight testing is done, there would be difficulty in persuading his patients to come and see him at that point because it is on the front, and they would not be prepared to come down to a windy part of the town in the winter.

I do not intend to deal with any question of the propriety or impropriety of the carrying on of sight testing in the drug store because, as I understand it, there is no suggestion that there was any misconduct there. You have heard that the drug store is owned and managed by his wife, and it is incidental that he has his sight-testing room on those premises. He has his name on the door, but there is nothing on the door to suggest that he is a pharmacist, and in those circumstances there is no misconduct on his part which re-

quires investigation. Therefore, I would ask you to confine your consideration to the offences of which he was convicted and to which he pleaded guilty, and I would ask you to deal with the matter as leniently as you can. You may feel this is a case where perhaps the pharmacist requires some time to straighten out his affairs, and you may feel that that might be the course which would commend itself to you, and that he should be given the opportunity of coming back at some time and of indicating exactly how the businesses are being run. I would certainly ask you to say that this is not a case of sufficient gravity to warrant the removal of his name from the register."

MR. CASTLE: "May I make a short statement?" The CHAIRMAN: "You are asking leave of the Committee to address us again?"

MR. CASTLE: "No; it is an explanation. I ask leave to continue a statement which I assure the Committee is not in any way a criticism of what has been said by learned counsel . . ." The CHAIRMAN: "If you are asking for leave to address us again, such leave is granted."

MR. CASTLE: "I understand that the Council of the Society would not approve of a pharmacist carrying on optical practice and at the same time the sale of a poison, and what the inspector meant when he gave that advice to the pharmacist to transfer his optical practice to the seafront pharmacy was 'Do your optics there and if you are engaged on optical work when someone comes into the pharmacy and asks for poison, that person must be refused until you have finished your optical work.' The Council would not approve of the sale of a poison being made while optical work was being done."

The CHAIRMAN: "You make that point in case a wrong interpretation might be put on the advice given by the inspector."—MR. CASTLE: "Yes."

In stating the Committee's findings, THE CHAIRMAN said that the circumstances were that it was satisfied "that, for reasons of personal gain, not out of any laudable desire to render good service to the public, you had taken on so many business enterprises, either on your own behalf or by way of assistance to your wife, that you had rendered it impracticable for you to comply with your statutory duties under the Pharmacy Act and, up to the time when you were visited by an inspector, we are satisfied that you paid no proper regard at all to the duties imposed on you as a pharmacist by Act of Parliament . . . You have informed the committee of certain steps which have been taken since that date with the view, as you think, of complying with the statutory provisions.

So far as the offence is concerned, taking into account all the circumstances, we are satisfied that this is such a conviction as renders you liable to be removed from the register of pharmacists; but you have indicated to the Committee that you have taken some steps since November 25, 1958, and you have expressed to the Committee an intention of complying with the Act in future. We express no opinion as to whether the way in which you are conducting your business at the present time is in compliance with the Act. We express no opinion that it is sufficient compliance for you to have a pharmacist there during part of the day dealing with the sale of drugs when you are away doing some optical work elsewhere, and we draw you attention to the provisions of Section 8 of the Act of 1933 which reads: "A registered pharmacist carrying on a business which comprises the retail sale of drugs shall be an authorised seller of poisons within the meaning of this Act if the following conditions are complied with —(a) in each set of premises where the business is carried on, the business must, so far as concerns the retail sale of drugs, be under the personal control of the pharmacist himself or of some other registered pharmacist . . . I repeat—'so far as concerns the retail sale of drugs, be under the personal control of the pharmacist himself or of some other registered pharmacist.'"

What we propose to do today is to adjourn this inquiry for one year. At the end of that year we shall ask you to submit to the Committee a report on the way in which the business has been conducted during the year, and we shall ask for a report from one of the Society's inspectors as to the way that the business has been carried on. You must seriously consider what further steps are needed to ensure full compliance with the Act in the future. Do you fully understand that?"—"Not quite; in my own mind and in the minds of many pharmacists we are very worried about this actual supervision."

THE CHAIRMAN: "You will have to take such advice as is available to you about that. The Committee will expect at the end of the year to be fully satisfied of your compliance with your statutory obligations, and on that basis we propose to adjourn the Inquiry until the meeting of the Committee approximately one year from today."

PHARMACEUTICAL SOCIETY OF IRELAND

Monthly meeting of Council

THE lord mayor of Dublin (Councillor P. A. Brady, T.D.), was given a standing ovation when he attended a meeting of the Council of the Pharmaceutical Society of Ireland for the first time since his election to office. The lord mayor, who is a member of the Council, and a former president of the Society, remarked "This is the biggest reception I have had since I took office." Welcoming Mr. Brady to the meeting, which was held in Dublin on July 14, THE PRESIDENT (Mr. H. P. Corrigan) said "From time to time pharmaceutical chemists have occupied prominent public positions and have been mayors of cities and towns throughout Ireland, but never before has a pharmacist been first citizen of Dublin, and it is fitting that that honour should be bestowed on Mr. Brady. We on the Council, and pharmacists throughout the country, are well aware that he will discharge his duties with distinction and dignity, and we wish him and the lady mayoress good health and every success during their term of office. We are glad that the lord mayor found time to visit us today." The lord mayor then suitably replied, and apologised for having to leave early.

THE PRESIDENT said that as that was the first meeting of the Council since the election of Mr. de Valera as President of the Republic he proposed that the council should send an official message of congratulation and best wishes to him on his attainment of such exalted office. That was unanimously agreed.

College of Pharmacy Fund

THE REGISTRAR reported on the outcome of a meeting on June 26 with representatives of the pharmaceutical industry. The following had been elected to the Committee of Management of the Irish College of Pharmacy Fund: Messrs L. McKeever, J. McKenna, F. M. Mallen, P. J. Martin, W. Mullen, J. F. O'Grady, E. McMahon and G. Fassenfeld (see *C. & D.*, June 27, p. 670). Mr. Coleman added that five trustees had been appointed at subsequent meetings: Messrs. H. P. Corrigan, D. J. Kennelly and R. F. Timoney (representing the Society), and Messrs. J. McKenna and J. F. O'Grady (representing industry). An appeal was to be sent to all firms in the pharmaceutical industry; to all firms whose products were normally distributed by pharmacists, and to retail pharmacists. The Society had agreed to subscribe £1,050 as a guarantee that at least that sum would be subscribed by retail pharmacists, and the Society had also agreed, said Mr. Coleman, to guarantee that that minimum sum would be subscribed by members each year for five years. The seal of the Society was affixed to the trust deed drawn up by the Society's legal adviser.

Arising from the Law Committee's report it was stated that the Society's inspectors were encountering attempts of unauthorised sales of strychnine poisons intended for the destruction of pests. The Gardai had recently asked for help from the Society in tracing the origin of a crow poison which had caused the death of a pedigree pig.Investigations had shown that the poison had been supplied by a wholesaler to a trader who was not entitled to sell the product. It was decided to place the facts before the Ministry for Health.

The registrar reported that he had received a letter from the Minister of Health approving the appointment of the Society's examiners.

A letter was received from the British Pharmacopoeia Commission asking for the Society's observations on materials for a new edition. It was decided to refer the materials to the staff of the College of Pharmacy for their observations before replying to the Commission.

Dr. R. F. Timoney (dean of the College) sought permission to act on the committee planning a pharmacy week in Dublin. He was willing to act on the committee if the Council approved. Approval was given.

Poisons Sales Control

It was decided to write to the Irish Creamery Managers' Association requesting them to circularise their members about legal controls on the sale of poisons, because the Society's inspectors had reported that it appeared that many Co-operative societies were unaware of the

restrictions governing the sale of certain veterinary and horticultural products.

Messrs. Abdulhay Kola and Godwin N. Oviasu were granted registration in the Pharmaceutical Chemists' Preliminary Register; and Miss Bridget O'Sullivan, Mallow, and Messrs. William O'Kelly, Kilmallock, and C. Geoghegan were granted registration in the Pharmaceutical Assistants' Preliminary Register. It was agreed that the Licence certificates of the following should be signed and sealed:—Misses Susan Gannon, Martina Quinn, Margaret McSweeney; and Messrs. Maurice Power, Philip Brady and Joseph C. Nolan. Miss Ethna Lyster was elected to membership. The following were nominated for membership:—Messrs. Owen D. Lynch, 52 Parnell Street, Ennis; Kevin A. Fitzmaurice, 150 Church Road, East Wall, Dublin; Karl Quinn, 11 Roebuck Road, Clonskeagh, co. Dublin Maurice A. Keegan, P.O. Box 1441, Accra, Ghana; Mrs. Mary Fee, 11 Ascot Road, Moseley. Birmingham, 13; and Mrs. Catherine O'Sullivan (nee Ambrose), Iris Ealga, South Douglas Road, Cork. The following were granted registration as Pharmaceutical Chemists, L. A. H. certificates having been submitted:—Drs. T. E. Hardy, Charleston Road, Rathmines, Dublin, and J. B. Hession, Bayport, Long Island, New York, U.S.A.

The following changes of address were noted:—Mrs. Teresa Kiernan, M.P.S.I., to Dispensary House, Ballinlough, Roscommon; Mrs. Mary O'Leary, L.P.S.I., to 16 Herbert Place, Dublin; Mr. Karl Quinn, L.P.S.I., to 11 Roebuck Road, Clonskeagh, Dublin; Mr. Maurice A. Keegan, L.P.S.I., to P.O. Box 1441, Accra, Ghana. A marriage certificate having been submitted, Mrs. Mary O'Leary, (nee Geoghegan), 16 Herbert Place, Dublin, was granted change of name in the register.

The registrar reported that Mr. Donal O'Sullivan, M.P.S.I., had presented the Society's museum with a set of perfume bottles more than 100 years old. The Council expressed its thanks to Mr. O'Sullivan.

Also present at the meeting were Messrs. M. Costello, K. Banks, P. A. Brady, M. F. Broderick, C. J. Cremen, J. Gleeson, D. J. Kennelly, T. R. Miller, J. O'Donnell, G. C. O'Neill, J. J. O'Regan, T. B. O'Sullivan, M. Power, and F. J. Robinson.

At a meeting of the Benevolent Fund, grants totalling £113 were passed for payment. The thanks of the Committee were extended to Mr. Samuel McCauley (treasurer, Association of Pharmaceutical Industry) who had forwarded the balance of some funds of the Association as a subscription to the Benevolent Fund.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

Monthly meeting of Council

THE Theophilus Harpur Foundation's 1959 prize was awarded to Robert J. Scott, 66 Stranmillis Road, Belfast, at the July Council meeting of the Pharmaceutical Society of Northern Ireland. Mr. Scott intends to do research in pharmaceutical chemistry at the School of Pharmacy, Chelsea College of Science and Technology, under Dr. N. J. Harper, who is also a member of the Northern Ireland Society. The president (Mr. H. G. Campbell) was in the chair at the meeting and also present were Messrs. J. Caldwell (vice-president), R. M. Watson (treasurer), W. H. Boyd, H. W. Gamble, O.B.E., R. Gibson, O.B.E., J. Gordon, W. S. Hall, D. Moore, W.C. Tate and W. J. Thornton. Apologies for absence were received from Messrs. S. E. Campbell, J. Kerr, F. R. Moore, J.P., H. F. Moore and C. A. Quinn.

The secretary was asked to convey the sympathy of the president and members to Mr. J. Kerr and Mr. H. F. Moore, both of whom had suffered bereavements.

It was reported that £3 3s. had been sent to the Benevolent Fund by the Northern Ireland branch of the Photographic Dealers' Association. A contribution of £5 5s. was made by the Council to the Sir Eric Ashby portrait fund.

Presenting the Finance Committee's report, MR. CALDWELL said there would be a considerable excess of expenditure over income at the end of the present financial year. There was a loss of more than £400 on the publication of the Society's calendar because less than 300 copies had been sold. There had also been a considerable fall in the amount of examination fees.

The board of examiners' report on the June examinations showed that in the Final Part 1 Qualifying examination fifty-five candidates entered, five were absent, twenty-four passed, thirteen failed and two were referred in biology, five in chemistry and six in physics. The examiners recommended that a number of students should be required to attend a further course of study before again being allowed to enter for the examination.

In the Part II eaxmination, seventy-three candidates entered, two were absent, eighteen passed, thirty-eight failed, six were referred in pharmaceutics, six in pharmacognosy, one in forensic pharmacy and two in physiology. The examiners recommended that two students should be required to re-attend the full-time course of study before again being permitted to enter for the examination. The report and recommendations were adopted.

It was agreed to impress the seal of the Society on the certificates of qualification of students who had been successful at the recent Final Part II Qualifying examination and who were eligible to receive them.

WILLS

MR. J. M. BADCOCK, M.P.S., 73 Johns Road, Waterloo, Liverpool, left £5,508 (£5,421 net).

MR. E. R. BRICKELL, M.P.S., 76 Harnham Road, Salisbury, Wilts, left £1,256 (£900 net).

MR. D. CAMPBELL, M.P.S., 8 Davies Road, West Bridgford, Notts, left £2,132 (£2,061 net).

MR. J. COHEN, M.P.S., 83 North Road, Southport, Lancs, left £4,518 (£4,322 net).

MR. E. T. B. P. DYSON, M.P.S., 17 Edge Fold Road, Walkden, Lancs, left £21,856 (£21,221 net).

MR. W. FINLAYSON, M.P.S., 69 Yarm Road, Stockton-on-Tees, co. Durham, left £73,771 (£73,664 net).

MR. R. L. GRIFFITHS, M.P.S., 248 High Street, Cymmer, Porth, Rhondda, Glam, left £7,788 (£6,792 net).

MR. G. T. HUBAND, M.P.S., Grevel House Annexe, Chipping Campden, Glos, left £16,734 (£16,114 net).

WORLD TRADE

FRENCH IMPORT RESTRICTIONS.—The French Government has announced substantial relaxations of import restrictions on dollar goods and has freed more imports from O.E.E.C. countries from quota restrictions. The new range of goods from which quotas have been removed from the O.E.E.C. countries includes penicillin. Protection continues for organic chemicals.

"OUTER SEVEN" TALKS PROGRESS.—Ministers representing the "outer seven" countries (Austria, Britain, Denmark, Norway, Portugal, Sweden and Switzerland), agreed in Stockholm on July 20 to carry on their discussions on the basis of a draft report with a view to signing a Free Trade Area convention as soon as possible. Target date for the completion of the drafting of the convention is November 1, leaving time for ratification by the respective Parliaments before the first tariff cuts and quota enlargements are due to become operative on July 1, 1960.

WEST GERMAN PHARMACEUTICAL OUTPUT.—West Germany's output of pharmaceutical products rose to D.M. 1,850 millions in 1958, an increase of 7.2 per cent. over the previous year. The Federation of the Pharmaceutical Industry of West Germany stated in its report for 1958 that exports of pharmaceutical products in 1958 were provisionally estimated at D.M. 450 millions, nearly one-quarter of the total production though in some medicinal sections the exports of certain members were nearly half their total production. Imports rose to about D.M. 126 millions, against D.M. 120 millions in 1957.

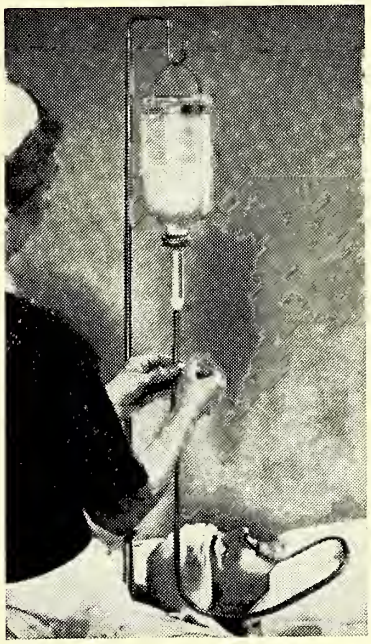
TARIFF CUT BY STAGES: A White paper published recently by H. M. Stationary Office (Cmd. 823, one shilling), besides confirming the initial tariff reduction of 20 per cent. which is to take place on July 1, 1960, between member countries of the Free Trade Association of the "outer seven", also sets out the precise stages in which tariffs will be eliminated. Following the initial 20 per cent. cut there will be a 10 per cent. cut eighteen months later on January 1, 1962, and two more 10 per cent. cuts at eighteen-month intervals on July 1, 1963, and January 1, 1965. In the first five years of the group's existence, tariffs will therefore be reduced by 50 per cent. The remaining 50 per cent. will be eliminated in equal 10 per cent. stages on January 1 of each of the subsequent five years. But member countries are to consider between July 1, 1960, and December 31, 1961, "whether it would be possible to shorten the period within which elimination should be completed in respect of some or all goods of some or all of the members."

N.H.S. STATISTICS

In ST. HELENS during 1957-58 total cost, £150,083 (£143,252 in 1956-57); pharmaceutical services, £143,312 (£135, 726).

In ENGLAND during February 21,479,353 prescriptions (14,063,787 forms) were dispensed at a total cost of £6,828,553. Average cost per prescription was 77.21d. During March, 18,481,630 prescriptions (12,249,044 forms) were dispensed at a total cost of £6,091,689. Average cost per prescription was 79.11d.

IN CRISIS AND CONVALESCENCE



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TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, AUGUST 12: The CRUDE DRUGS market has displayed a firm undertone during the last few weeks, only a few items showing a weaker tendency. CASCARA and SENEGA are among the growing list of commodities at present not being offered at origin. Upwards of 20s. per lb. is the spot value of senega.

The shortage is said to be due to the fact that collectors have had difficulty in locating the root because of overgrowth brought on by a long, wet spring. In the case of cascara, higher wages recently paid to lumber men may have removed the necessity or desire to supplement their wages by spare-time peeling of the cascara tree. It is generally believed in the trade that when the shortage is fully felt the price could rise over the 300s. per cwt. mark before stabilising, although 280s. seems to be the level at which business might be done for small lots now. There were reports that business had been done in VANILLA BEANS as far ahead as April 1961.

In the main, ESSENTIAL OILS provided a firm market. Reflecting a particularly firm tone were Bourbon GERANIUM and Mysore SANDALWOOD. The recent flood havoc in Formosa has caused a rise in the value of Formosan CITRONELLA after it had been somewhat easier in the previous week.

ZINC OXIDE rose £2 per ton, making the 2-ton rate for B.P. grade now £112 10s. per ton. TARTARIC ACID advanced 10s. per cwt.; 10-cwt. lots are now 300s. per cwt. Quoted lower since the issue of our last report are POTASSIUM IODIDE, RESUBLIMED IODINE, CAFFEINE, RIBOFLAVINE and VITAMINS C and E.

Following the devaluation of the Spanish peseta, OLIVE OIL exports in drums from Spain have been suspended and exporters can offer only in tins of one gallon and downward. An export duty of £12 per metric ton has been levied and the fixed price policy abandoned. Merchants are hoping the Spanish Government will soon decide to release oil in drums and allow the price to find its own level. Meanwhile, French exporters are about £30 per ton dearer than the Spanish.

Pharmaceutical Chemicals

ACETANILIDE. — 1-cwt. lots are 2s. 10d. per lb. for crystals and 5-cwt., 2s. 9d.

ADRENALINE. — Rates for synthetic B.P. are from 1s. 1d. (500-gm. lots) to 1s. 6d. (10-gm.) per gm. and ACID TARTRATE, B.P., from 9d. to 1s.

ALUMINIUM HYDROXIDE. — One-cwt. lots of B.P.C. 1943 are 3s. 3d. per lb.

AMIDOPYRIN.—Minimum rate is 20s. 1d. per lb. with usual differentials for smalls.

AMMONIUM ACETATE. — 1-cwt. lots of B.P.C., 1949, are quoted at 4s. 5d. per lb.

ANTIMONY SALTS.—Quotations for POTASSIUM TARTRATE B.P., are 7s. 6d. per lb. for 1–10 cwt. and SODIUM TARTRATE, B.P., 12s. 6d.

ASPIRIN. — 5-cwt. lots are 4s. 9d. per lb.; 1-cwt., 4s. 11d. The CALCIUM SALT is 12s. 6d. per lb.

BARIUM SULPHATE. — 250-kilo lots of B.P. (x-ray) are now 3s. 3½d. per kilo.

BORAX.—From August 17, B.P. grade for quantities of 1 ton and upwards; Granular, £56; crystals, £59 10s.; powder, £60 10s.; extra fine powder, £61 10s. per ton. Supplied in hessian sacks. Prices of commercial range from £46 to £52 10s. per ton, as to type and packing. Dehydrated borax is £70 per ton in paper-lined hessian bags or £69 in paper bags; carriage paid in Great Britain. Surcharges for smaller quantities: Less than 1 ton but not less than 5 cwt., 1s. per cwt.; 3 cwt., 2s.; 1 cwt., 3s.

BORIC ACID.—From August 17, prices (per ton) for B.P. grade in quantities of 1 ton and upwards are as follows:—Granular, £91; crystals, £99; powder, £96 10s.; extra-fine powder, £98 10s. per ton in lined hessian bags, carriage paid in Great Britain. Less £1 per ton if supplied in paper bags. Technical grades range from £77 to £86 10s. per ton according to type and packing.

CAFFEINE.—ANHYDROUS, 56 lb. and over, 16s. 6d. per lb.; MONOHYDRATE, B.P., 15s. 9d.

CALCIUM CARBONATE.—B.P. light precipitated powder, 1-ton lots, £33 per ton in free bags, ex works.

CALCIUM CHLORIDE. — B.P. crystals are 1s. 3½d., and granulated, 10½d. per lb. in 1-cwt. lots.

CALCIUM GLUCONATE. — Quantities of 3 cwt. and upwards are quoted at 3s. 6d. per lb.; 1 cwt. to 2 cwt., 3s. 7d.

CALCIUM PANTOTHENATE.—Price per kilo is £9 12s. 6d.

CALCIUM SUCCINATE. — Quotations are from 10s. 6d. to 12s. per lb., as to quantity. SUCCINIC ACID is from 10s. 6d. to 12s. 3d. per lb.

CARMINE. — Price is 70s. per lb. for 1-cwt. lots.

CHALK.—Prepared powder B.P., is £22 per ton for minimum 1-ton ex works.

CHINIOPHON.—B.P. 1948 is 67s. per kilo; 50-kilo lots, 62s. 6d. per kilo. The sodium derivative (B.P. 1953) is 99s. 4d. and 92s. 9d. for the same quantities.

CHLORAL HYDRATE. — In 1-cwt. lots the price is about 4s. 3d. per lb.

CHLORBUTOL.—28-lb. lots are quoted at 10s. per lb.

CHLOROFORM.—1-cwt. lots in winchesters are 3s. 4½d. per lb.; 56-lb., 3s. 6d. In drums, prices are 3s. 2d. and 3s. 2½d. per lb. respectively.

CINCHOPHEN.—1-cwt. lots are quoted at 21s. per lb.

CITRATES. — Present rates (per lb.) for 1-cwt. and 5-cwt. lots are as follows:—

	1 cwt.		5 cwt.	
	s.	d.	s.	d.
SODIUM†	2	10	2	9
POTASSIUM†	3	1	2	11½
IRON AND AMMONIUM*..	3	9	3	7½

†Powder 3d. per lb. more. *Scales 10d. per lb. more.

CITRIC ACID.—Quotations (per cwt.) for domestic material in drums are 225s. for 1–4-cwt. lots and 220s. for 5-cwt. lots. In paper bags 5-cwt. lots are 212s. 6d.

DEXTROSE. — In bulk, MONOHYDRATE, £76 per ton, delivered; ANHYDROUS, £115 per ton.

DIPHENAN.—Prices range from 55s. 3d. (56-lb.) to 63s. (1-lb.) per lb.

ETHER. — Prices (per lb.) in winchesters are as follows:—TECHNICAL B.S.S., and SOLVENT, 5-cwt. 2s. 7d.; (4s. 1½d. litre). In drums the price is 2s. 2d. per lb. ANÆSTHETIC, B.P., 5-cwt., 3s. 10d.; 10-cwt. 3s. 9d.

GLYCEROPHOSPHATES.—Rates per lb. for 1-cwt. lots are as follows:—ACID, B.P.C., 20 per cent., 4s. 7d.; CALCIUM, soluble, B.P.C., 12s.; IRON, B.P.C., scale, 15s. 9d. and powders, 14s. 9d.; MAGNESIUM, soluble B.P.C., 14s. 3d., and insoluble, 7s. 6d.; MANGANESE, B.P.C., 27s.; POTASSIUM, 50 per cent., B.P.C., 3s. 9d. and 75 per cent., B.P.C., 5s. 6d.; SODIUM, 50 per cent., 2s. 7d.; 75 per cent., 4s. 6d.; 100 per cent., 8s.

HEXAMINE.—B.P. is 1s. 11½d. per lb. for 1-ton lots, delivered in 1-cwt. kegs. Technical is threepence per lb. under those rates.

HOMATROPINE.—Current rates (per oz). for 16-oz. lots are now : ALKALOID, 30s. 6d.; HYDROBROMIDE, 24s. 6d.; HYDROCHLORIDE, 28s. 6d.; METHYLBROMIDE, 25s. 6d. 1-oz. rates are 1s. 6d. per oz. above those rates.

HYOSCINE HYDROBROMIDE.—Price per oz. is 102s.

IODIDES. — (Per kilo). POTASSIUM, 50-kilo lots and over 15s.; SODIUM, 20s. 6d.; AMMONIUM, 45s.

IODINE.—Resublimed in 50-kilo lots or over, 23s. 1d. per kilo. Minimum delivered rate for CRUDE is 15s. per kilo.

IODOFORM.—Powder is 22s. 4d. per lb. in 28-lb. lots; 21s. 8d. in 1-cwt. and 21s. 1d. in 5-cwt. lots. Crystals are 3s. per lb. more than the powder.

LACTATES. — CALCIUM, B.P., is 2s. 3d. per lb. in 5-cwt. lots and 2s. 4d. in 1-cwt. lots; CALCIUM SODIUM for similar quantities is 4s. 9d. and 4s. 10d. per lb.

LACTIC ACID. — B.P. is 4s. 5d. per lb. for 12-winchester lots and 4s. 4d. for 5-cwt. lots.

LACTOSE.—English, in 1-ton lots packed in 1-cwt. paper-lined sacks, is £129 10s. per ton, delivered in the United Kingdom.

PARACETAMOL.—Minimum price for 10-cwt. lots is 10s. 9d. per lb.; 56-lb., 11s.

PIPERAZINE.—ADIPATE is from 24s. 6d. to 26s. per kilo; CITRATE from 23s. 6d. to 25s. HEXAHYDRATE, 17s. 6d. to 18s. 6d. and PHOSPHATE, 28s. to 30s.

PYROGALLIC ACID. — Pure crystals are 22s. 6d. per lb. in 1-cwt. lots; resublimed, 24s. 3d.

QUININE. — Makers' rates for 1,000-oz. lots are now :—SULPHATE, B.P., 1932, 1s. 10d. per oz.; SULPHATE, B.P., 1953, 2s. 0½d.; BISULPHATE, 1s. 10d.; DI-HYDROCHLORIDE, 2s. 4¾d.; HYDROCHLORIDE, 2s. 6½d.; ETHYL CARBONATE, 4s. 3d.

SANTONIN.—5-kilo lots, 400s. per kilo.

TARTARIC ACID. — Dearer. Rates for the home trade are now as follows:—10-cwt. lots, 300s. per cwt.; 5–9 cwt., 302s.; 2–4 cwt.; 304s.; 1-cwt., 305s.

ZINC CARBONATE. — In 1-cwt. lots the price is 1s. 9½d. per lb.

ZINC CHLORIDE. — B.P.C. cake from 4s. 6d. to 4s. 10d. per lb.; sticks from 5s. 10d. to 6s. 2d. per lb. TECHNICAL, 115s. per cwt.

ZINC OXIDE.—B.P. quality in 2-ton lots is £112 10s.; 1-ton, £112; 10-cwt., £113.

ZINC PEROXIDE. — Price (per lb.) for 1-cwt. lots of B.P. is 5s. 3d.

ZINC SULPHATE.—B.P. in 1-cwt. lots is quoted at 1s. 9d. per lb.; technical, 60s. per cwt.

Crude Drugs

ACONITE. — Spot supplies of Spanish *napellus* are 2s. 6d. per lb.

AGAR. — Kobe No. 1 is 11s. 6d. per lb., in bond; new-crop for shipment, 10s. 10d., c.i.f.

ALOES. — Cape prime on the spot is 175s. per cwt. and for shipment, 160s., c.i.f.

ARECA. — Selected round nuts 125s. per cwt., spot.

BALSAMS. — Quotations per lb. are:—CANADA: Spot, 23s. COPAIBA: Para from 7s. 6d. duty paid. PERU: Spot, 10s. in bond. TOLU (genuine as imported): 17s., spot and 15s., c.i.f.; B.P., 15s. spot.

BELLADONNA. — Herb is 8s. 3d. per lb. on the spot. Root is 1s. 6d. spot; shipment, 1s. 3d., c.i.f.

BENZOIN.—Sumatra block on the spot is £22 to £28 as to quality.

BUCHU.—Spot rounds are 4s. 6d. per lb. and new-crop for shipment, 4s. 2d., c.i.f.

CALABAR BEANS. — Spot offering at 1s 7½d. per lb.

CALAMUS.—Root is quoted at 1s. 4d. per lb., c.i.f.

CAMPHOR. — Chinese POWDER, B.P., is from 3s. 4½d. per lb., in bond. TABLETS, ¼-oz., are 5s. 6d. in bond.

CAPSICUMS. — East African are from 140s. to 175s. per cwt. on the spot.

CARDAMOMS. — Aleppy greens, spot, 14s. 6d. per lb.; forward shipment, 14s., c.i.f. Seeds, shipment, 20s., c.i.f.

CASCARA. — Spot 1958 peel, 280s. per cwt., shipment, nominal.

CHERRY BARK.—Thin natural is 1s. 5d. per lb., and rossed is 1s. 11d.

CHILLIES. — Spot Mombasa, 230s. per cwt.; shipment, 185s., c.i.f.

CINNAMON.—Ceylon for August–September (c.i.f.) per lb.; OOOO, 6s. 0¾d.; OOO, 5s. 9d.; OO, 5s. 7¼d.; seconds, 4s. 5½d.; featherings, 2s. 2½d.; quillings, 3s. 5½d.; chips, 1s. 3½d.

CLOVES. — Zanzibar on the spot are 2s. 11d. per lb.; shipment, 2s. 7½d., c.i.f.

GINGER. — African, 110s. per cwt. spot and 100s., c.i.f. Jamaican No. 3, spot, 200s. and shipment 197s. 6d. c.i.f. Cochin spot quoted 120s.; shipment 137s. 6d., c.i.f.

GUM ACACIA. — Kordofan cleaned sorts are 192s. 6d. per cwt. on the spot; August-September shipment, 180s., c.i.f.

HENNA.—Indian on the spot is now 95s. per cwt., ex wharf.

HONEY. — Australian light amber is 102s. 6d. to 105s. and medium amber 95s. to 97s. 6d. Argentine, 100s. to 105s.; Jamaican, 115s. to 120s.; New Zealand clover, 170s., nominal; all per cwt. on the spot.

HYDRASTIS.—Spot 27s. per lb.

IPECACUANHA. — Shipment (c.i.f.) Matto Grosso, 52s. nominal per lb.; Colombian, 54s.; Nicaraguan, 67s.; Costa Rican, 70s. Spot Matto Grosso, 54s.

KARAYA. — No. 1 gum on the spot is quoted at 260s. per cwt. nominal, No. 2 at 230s., nominal.

KOLA NUTS. — Jamaican spot market cleared, shipment, 7d. per lb., c.i.f. African 5d. to 5¼d. spot and 4d., c.i.f.

LANOLIN. — ANHYDROUS, B.P., is from 170s. to 175s. per cwt. in 1-ton lots and HYDROUS, B.P., 150s., free drums, delivered.

LIQUORICE. — Natural root: Persian on the spot is 50s.; for shipment, 42s. 6d., c.i.f., per cwt. Russian, August, 65s., c.i.f. Block juice: Anatolian, 60s., and Chinese, 190s. per cwt.; Italian stick from 310s. to 476s. per cwt.

LOBELIA HERB. — Spot offers of American are 3s. 9d. per lb. and for shipment, 3s. 6d., c.i.f. Dutch 3s. 1d., c.i.f. for shipment; spot 3s. 5d.

MACE. — Whole pale blade 23s. 6d. per lb. on the spot.

MENTHOL.—Chinese spot cleared; September–October shipment, 51s. 6d. per lb., c.i.f. Brazilian, 42s. in bond.

MERCURY. — Price per flask (76-lb.) is £74 on the spot.

NUTMEGS. — West Indian 80's 17s. per lb., spot; sound unassorted, 10s. 6d.; defectives, 8s. 6d.

NUX VOMICA. — Scarce. Shipment. not offering; spot, 120s. per cwt., nominal.

PEPPER. — Market has shown a big advance. White Sarawak on spot is quoted at 2s. 11½d. per lb. August–September shipment, 2s. 10½d., c.i.f. Black Sarawak spot is 1s. 9d. per lb. and for August–September shipment 1s. 9d., c.i.f., quoted. Black Malabar spot nominally 240s. per cwt.; August–September shipment 230s., c.i.f., quoted.

QUASSIA.—Spot offers are 55s. per cwt., ex wharf.

SEEDS. — (Per cwt). ANISE. — Turkish, 140s.; Spanish, 165s., both duty paid. CARAWAY.—Dutch quoted 115s., duty paid. CELERY.—Indian 150s. on spot, the forward price is 122s. 6d., c.i.f. CORIANDER. —Moroccan easier at 47s. 6d., duty paid, and Rumanian at 50s. Moroccan for shipment quoted at 35s., c.i.f. CUMIN.—Spot is in short supply until the arrival of Iranian new crop; 260s., duty paid, quoted. No Cyprian available. DILL.—Indian selling at 80s., spot, FENNEL.—Chinese, 135s. quoted, duty paid. FENUGREEK.—Moroccan, spot 42s. 6d., duty paid; shipment, 32s. 6d., c.i.f., quoted. MUSTARD. —English old crop, 75s. to 95s.; new crop, 115s. to 125s.

SENEGA. — Spot is nominally 20s. per lb.; shipment, not offering.

SHELLAC.—F.O.T.N. 180s. per cwt., F.O. No. 1, 210s.; fine orange, 215s. to 267s. 6d.

TURMERIC. — Madras finger, old crop 92s. 6d., new crop 95s. per cwt., shipment 82s. 6d., c.i.f., quoted.

Essential and Expressed Oils

ANISE.—Chinese, 8s. per lb., spot; shipment, 8s., c.i.f.

BERGAMOT. — Spot supplies are from 85s. per lb.

BOIS DE ROSE. — Brazilian is 14s. 6d. per lb. on the spot and 14s. 6d., c.i.f.

CARDAMOM.—Price per lb. is from 330s. for English-distilled and 260s. for imported.

CASTOR.—Home-produced B.P. oil on the spot—June, is £135 per ton naked ex mill (2-ton lots).

CELERY SEED.—Dutch oil is 90s. per lb. and Chinese, 65s.

CHENOPODIUM.—Spot value is 38s. per lb. for original containers.

CINNAMON. — From quillings, best English-distilled is 50s. per oz.; other B.P. oils from 165s. per lb. Ceylon leaf, spot, 9s. 6d. per lb.; rectified, 15s. per lb.; Seychelles, 8s. 6d., spot.

CITRONELLA. — Ceylon, spot is cleared; shipment, nominally 5s. per lb., c.i.f. Formosan, spot 5s. 6d. in bond, shipment, 5s. 4½d., c.i.f.

CLOVE.—Madagascar leaf, spot, 8s. 6d. per lb., nominal; shipment 7s. 2d., c.i.f. Rectified 87–88 per cent., 8s. 6d. Distilled bud oil, English, B.P., 30s. to 31s.

CORIANDER. — B.P. oil is quoted from 62s. 6d. per lb.

FENNEL.—Spanish sweet on the spot is quoted at 12s. 6d. per lb.

GERANIUM. — Bourbon is 185s. per lb. nominal on the spot.

GRAPEFRUIT. — Jamaican, 15s. per lb. spot. Florida, 14s. 6d. spot.

LAVENDER.—French oil, 40–42 per cent. is 50s. per lb.

LEMONGRASS.—Spot 6s. 9d. per lb., and shipment, 6s. 6½d., c.i.f.

LIME.—West Indian distilled is in the region of 50s. per lb. on the spot.

ORANGE.—Spot quotations of sweet oil include Floridan at 6s. 6d. per lb.; Californian, 10s.; West Indian, 7s.; West African, 14s.; Israeli, 12s. 6d. For prompt shipment. Terpeneless is 200s. per lb., spot.

PEPPERMINT.—*Arvensis:* Chinese is 27s. per lb., spot nominal: September–October shipment 23s. 3d. Brazilian 11s. to 11s. 6d. both spot and shipment. *Piperita:* Italian "Mitcham-type" from 42s. 6d. to 48s. 6d.; American, 27s. 6d. to 30s., as to origin.

SANDALWOOD. — Very short. Mysore spot cleared, shipment nominally 92s., c.i.f., per lb.

SASSAFRAS. — Brazilian is from 3s. 6d. per lb., duty paid.

SPEARMINT.—Offers of U.S.P. grade are from 37s. 6d. per lb., spot. Chinese, 30s., in bond.

TANGERINE.—Hand-pressed is 55s. per lb. and machine-pressed, 42s. 6d.; others 26s. to 28s. on the spot.

VETIVERT. — Spot is currently at about 82s. 6d. per lb.

YLANG YLANG. — Spot is from 32s. 6d. to 46s. per lb. as to grade.

UNITED STATES REPORT

NEW YORK, August 11: GUM ACACIA advanced one cent to 27 cents per lb., while the CASCARA price was increased by 8 cents to 35 cents per lb. SENEGA rose by 40 cents to $2·75 per lb. Higher per lb. were Bourbon GERANIUM OIL at $25 (up $4) with Algerian at $20 (up $1); and East Indian SANDALWOOD OIL at $15·50 (up $2·25). Lower per lb. were CLOVE LEAF at $1·40 (down 15 cents); SPEARMINT, $4·75 (down 20 cents); and 30–32 per cent. ester LAVENDER, $2·60 (down 65 cents). Ceylon CITRONELLA OIL was steadier at 65 cents a lb., up five cents. VETIVERT oil was stronger, the Bourbon being quoted at $14·50, up $2·25 a lb. ASPIRIN has met with unexpectedly strong demand for this season of the year. Otherwise, the seasonal slowdown in pharmaceutical manufacturing caused demand to dip for many drugs and fine chemicals. VANILLA beans were firmer, with Mexicans quoted at $14·00 a lb., up one dollar.

NUX VOMICA was three cents a lb. higher, reflecting mounting replacement costs and making the buttons 18 cents.

PEPPERMINT OIL was lower, the natural being quoted at $3·70 a lb. EUCALYPTUS declined to make the 70-75 per cent. 52 cents a lb., down three cents, and the 80-85 per cent. 60 cents, down five cents.

The General Services Administration (GSA) announced that all competitive bids for approximately 41 of the 42 short tons of United States Government-owned agar, offered for sale in June, had been rejected as too low. GSA said that sale of the remaining balance of the agar would now be conducted on a negotiated basis and asked that new offers be submitted before the close of business on August 14. The agar had been declared surplus to U.S. stockpile needs. That being offered for sale was in shredded, granulated and powdered form.

C. & D. RETAIL AND DISPENSING PRICE LIST

The drug index for July was 208·3

Cost d.	Cost per	Item	16 oz. s. d.	4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
77	100 gm.	Acid. tannic.	—	—	3 4	0 6
66	500 gm.	Adeps benz., B.P.C.	—	2 1	0 7½	0 1
72	25 gm.	Aloin	—	—	—	1 6
54	500 gm.	Ammon. nitras pur.	—	1 9	0 6½	0 1
42	25 gm.	Benzocaina ... **P.I. (8)**	—	—	—	0 10
69	25 gm.	Butylchloral. hydras. **P.I. (8)**	—	—	—	1 5
34	1 lb.	Cataplasma kaolini	4 3	—	—	—
38	25 gm.	Chlorbutol	—	—	—	0 9½
150	250 gm.	Conspers. hydrarg. subchlor. co., B.P.C.	—	—	2 10	0 5
36	500 gm.	Emuls. paraff. liq. c. phenolphthal., B.P.C.	4 1	1 2	0 4	—
41	100 gm.	Ferri phosphas, B.P.C.	—	—	1 9	0 3
95	500 gm.	Gelatinum zinci	—	3 1	0 11	0 1½
132	500 gm.	Gelatinum zinc. oxid. et ichtham., B.P.C.	—	4 3	1 3	0 2
54	500 gm.	Glycerinum	7 9	2 2	0 8	0 1
108	500 gm.	Glycer. acid. boric., B.P., '48 ...	—	4 8	1 5	0 2½
120	500 gm.	Glycer. acid. tannic.	—	5 0	1 6	0 2½
129	500 gm.	Glycer. aluminis, B.P.C., '49 ...	—	5 4	1 7	0 3
108	500 gm.	Glycer. amyli ... ... wgt.	—	3 6	1 1	0 2
65	100 gm.	Glycer. bellad., B.P.C. **S.1. (5)**	—	—	3 8	0 6
75	500 gm.	Glycer. ichthammol., B.P.C. ...	—	3 1	0 11	0 1½
98	250 mils	Glycer. pepsin., B.P.C., '49 ...	—	6 4	1 11	0 3
66	2 litres	Glycer. thymol. co., B.P.C. ...	1 11	0 6½	0 2	—
164	100 gm.	Hydrarg. subchlor.	—	—	7 0	1 0
129	100 gm.	Hydrargyrum ... ... wgt.	—	—	5 6	0 9
164	100 gm.	Hydrarg. ammon. ...**P.I. (8)**	—	—	7 0	1 0
58	500 mils	Inf. aurantii conc., B.P.C. ...	—	1 10	0 7	0 1
78	500 mils	Inf. aurantii co. conc., B.P.C. ...	—	2 6	0 9	0 1½
120	500 mils	Inf. buchu conc., B.P.C. ...	—	3 10	1 2	0 2
69	25 gm.	Isoniazid	—	—	—	1 5
36	500 gm.	Lactosum	4 1	1 2	0 4	—
123	500 mils	Linct. diamorph. et hyos., B.P.C., '49 ... ...**S.1. (5)**	—	3 11	1 2	0 2
87	500 mils	Lin. aconit. meth. ...**S.1. (5)**	—	2 10	0 10	0 1½
150	500 mils	Liq. rosæ dulcis, B.P.C. ...	—	4 10	1 5	0 2½
114	500 mils	Liq. tolut., B.P.C.	—	3 8	1 1	0 2
56	500 gm.	Nux vomica præp. ...**S.1. (5)**	—	1 10	0 6½	—
144	25 gm.	Ol. bergamot., B.P.C., '49 ...	—	—	—	2 7
44	100 mils	Ol. citronellæ (Ceylon)	—	—	1 11	0 3
45	500 gm.	Ol. cocois, B.P.C., '49	—	1 5	0 5	—
87	500 mils	Ol. eucalypti	—	2 10	0 10	0 1½
160	2 litres	Oxymel scillæ, B.P.C.	—	1 3	0 4½	0 1
70	1 lb.	Pasta mag. sulph.	8 9	2 6	0 9	—
90	100 gm.	Phenazonum, B.P.C.	—	—	3 10	0 7
53	25 gm.	Phenobarbiton. ... **R only**	—	—	—	1 1
84	500 mils	Pig. iodi co., B.P.C.	—	2 8	0 10	0 1½
35	100 gm.	Piper. nigr. pulv.	—	—	1 6	0 2½
34	500 gm.	Potassii chloridum	—	1 1	0 4	—
76	500 gm.	Potassii phosph., B.P.C., '49 ...	—	2 5	0 9	0 1½
116	100 gm.	Pulv. ipecac. et opii ...**S.1. (5)**	—	—	5 0	0 9
86	250 gm.	Pulv. rhei co.	—	5 6	1 8	0 3
80	25 gm.	Quinin. hydrobromidum ...	—	—	—	1 8
80	25 gm.	Quinin. hydrochloridum ...	—	—	—	1 8
66	25 gm.	Quinin. sulphas	—	—	—	1 4
192	500 gm.	Sodii aminosalicylas	—	6 2	1 10	0 3
75	500 mils	Syr. bromoform. co., B.P.C., '49 **P.I. (9 and 13)**	—	2 5	0 8½	0 1
99	500 mils	Syr. creosoti co., B.P.C., '49 ...	—	3 2	0 11½	0 1½
63	500 mils	Syr. ferri phosph. c. quin. et strych. **P.I. (9 and 13)**	—	2 0	0 7½	0 1
45	25 gm.	Theophyllina	—	—	—	0 11
90	500 mils	Tr. aloes, B.P.C., '49	—	2 11	0 10½	0 1½
154	500 mils	Tr. benzoin. co.	—	4 11	1 6	0 2½
54	100 mils	Tr. cinnamomi, B.P.C., '49 ...	—	—	2 4	0 4
162	100 gm.	Tragacanthæ pulv.	—	—	7 0	1 0
156	250 gm.	Ung. gallæ c. opio **S.1. (5)**	—	—	3 0	0 5
69	500 gm.	Ung. hydrarg. ammon. et picis carb., B.P.C. ...**P.I. (9)**	—	2 3	0 8	0 1
189	500 gm.	Ung. hydrarg. co.	—	6 1	1 10	0 3
408	2 kilo	Ung. methyl. salicyl.	—	3 3	1 0	0 1½
90	250 gm.	Ung. resorcinol, B.P.C., '49 ...	—	5 10	1 9	0 3
60	500 gm.	Ung. zinci et ol. ricini	—	1 1	0 7	0 1

The bold letters and figures at left of dispensing price relate to the classification of poisons in THE CHEMIST AND DRUGGIST *Poisons Guide*.

COMMERCIAL TELEVISION

Programme details are given to enable chemists to put in linking-up displays if they wish. Figures in the columns represent number of appearances of the product during the week.

August 23-29	London	Midland	North	Scotland	Wales	South	N.E.
Alka Seltzer	2	2	1	5	3	2	1
Amami wave set	—	—	4	1	2	2	1
Anadin	4	4	3	4	3	4	3
Andrews liver salt	2	1	3	1	4	2	4
Anne French	1	1	1	2	1	2	—
Askit	—	—	—	12	—	—	—
Aspro	4	5	5	5	5	6	4
Beecham's pills	3	—	2	3	3	3	3
Binki pants	—	—	—	3	—	—	—
Bisodol	—	—	4	—	4	—	5
Cephos	—	—	3	—	—	—	—
Cooper's acrosols	3	3	2	2	2	2	2
Cuticura	3	—	2	—	—	—	—
Germolene	4	3	—	3	4	2	3
Gibbs' S.R. tooth-paste	—	—	—	—	5	1	3
Gillette razors and blades	1	1	1	1	1	1	1
Hemotabs	—	—	—	—	3	—	—
Immac	2	1	1	—	1	—	1
Ingram shaving cream	—	3	—	3	—	3	3
Kolynos	5	1	1	4	4	5	4
Lucozade	7	6	3	4	5	5	3
Maclean's tooth-paste	2	2	3	2	1	2	2
Marigold baby pants	—	2	—	—	—	—	—
Max Factor preparations	1	1	1	1	1	1	1
Mix-a-Shake	—	—	2	—	—	—	—
Quickies	2	2	—	—	—	4	—
Rennies	—	3	3	1	2	—	2
Rinstead pastilles	—	2	—	—	1	2	—
Rivella	1	—	—	—	—	—	—
Sek	1	1	1	1	1	1	1
Setlers	3	3	3	—	1	—	5
Silvikrin liquid shampoo	2	3	2	2	—	—	—
Sun-orange Quosh	2	2	2	2	4	3	4
Valderma soap	—	—	4	—	—	—	—
Valrosa	—	—	—	—	—	1	—
Vosene	4	10	9	3	9	3	9
Water Lilies shampoo	2	3	3	—	—	3	3
Wilkinson Sword-Edge	—	—	4	—	—	—	—
Yeastvite	1	1	1	2	2	3	2
Zal	—	—	—	1	—	—	—
Zoflora	—	2	3	1	—	—	1

PRINT AND PUBLICITY

Catalogues

KODAK, LTD., Kingsway, London, W.C.2: Medical x-ray, 1959.

Medical Propaganda

MANUFACTURERS' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.

THE BRITISH DRUG HOUSES, LTD., Graham Street, London, N.1: "Sex Hormones in Medical Treatment" (19-p. booklet).

BRITISH SCHERING, LTD., 229 Kensington High Street, London, W.8: "Albucid" (card); "Cortucid" (4-p. folder); "Oblivon C" (card).

CAMDEN CHEMICAL CO., LTD., 61 Gray's Inn Road, London, W.C.1: Alcos-Anal (information card).

DUNCAN, FLOCKHART & CO., LTD., Wheatfield Road, Edinburgh, 11: "Furadantin," "Pollodom," "Xylodase" (folders).

GEIGY PHARMACEUTICAL CO., LTD., Wythenshawe, Manchester, 23: "Delta-Butazolidin" (information card); "Folia Dermatolgica—Neurosyphilis and Latent Syphilis (4-p. and 8-p. booklets).

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Wednesday, August 12

BIRMINGHAM PHARMACEUTICAL ASSOCIATION and BRANCH, Saracen's Head hotel, Stratford Road, Shirley, at 2.30 p.m. Sports day.

C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 25 per cent.; ‡ = Tax 50 per cent.

ABBOTT LABORATORIES, LTD. (from August 4)

		Each	I.R.P.	
CVK tablets 125	50	20 0	30 0	R
	100	36 6	54 9	R
	500	172 6	258 9	R
	1,000	344 0	516 0	R
250	25	19 11	29 10½	R
	100	72 0	108 0	R
	500	343 0	514 6	R
	1,000	666 8	1,000 0	R
CVK solution 62·5	60 mils	5 0	7 6	R
125	60 mils	8 10	13 3	R
CVK tablets with sulphas	12	6 6	9 9	R
	100	44 6	66 9	R
	500	205 10	308 9	R
Compocillin V oral suspension	80 mils	13 4	20 0	R
	16 oz.	73 10	110 9	R

ANGLO-FRENCH DRUG CO., LTD. (from August 1)

		Doz.		
Encynex tablets*	50	36 0	5 0	R
	500	306 0	42 0	R

ASPRO-NICHOLAS, LTD. (from August 1)

Aspro tablets*				
" handy " pack			1 10	A
" family " pack			3 3	A
		Each		
Sedaltine tablets	100	114 0	R	
	250	249 0	R	

BOOTS PURE DRUG CO., LTD. (from August 1)

Calcipen-V tablets				
60 mgm.	20	4 2	6 3	R
	100	18 0	27 0	R
	500	82 11	124 4½	R
125 mgm.	20	8 9	13 1½	R
	100	36 6	54 9	R
	500	172 6	258 9	R
250 mgm.	12	9 10	14 9	R
	100	72 0	108 0	R
	500	343 0	514 6	R
Calcipen-V Sulpha suspension	60 mils	6 4	9 6	R
tablets	20	6 0	9 0	R
	100	25 6	38 3	R
	500	116 0	174 0	R
Calcipen-V suspension 60 mgm./5 mils	60 mils	4 10	7 3	R
Calcipen-V suspension (forte) 250 mgm./5 mils	60 mils	17 6	26 3	R
(from August 8)				
Novobiocin oral suspension	2 fl. oz.	15 0	20 0	R
tablets	250 mgm. 16	35 0	46 8	R
	100	200 0	266 8	R

BROOK, PARKER & CO., LTD.

Oesbron lung tonic*	2 0	A	
	3 3	A	

E. K. COLE, LTD.

Warm-Glo electric blankets*:—		
" Diana "	121 0	R
" Sherborne "	112 2	R
" Dorchester "	156 5	R
" Vigilux " single	202 10	R
double	295 2	R
twin	330 7	R

DISTILLERS CO. (BIOCHEMICALS), LTD.

DCL malt extract with cod-liver oil (tartan label)	1 lb.	1 10	2 9	R
	2 lb.	3 4	5 0	R

FOSTER-McCLELLAN CO. (from August 1)

		Doz.		
Doan's backache kidney pills*		14 3	1 10	A
		31 6	4 0	A
		51 0	6 6	A
ointment*		14 3	1 10	A
		26 3	3 4	A
Bilax pills*		14 3	1 10	A
		31 6	4 0	A
Mentex		14 3	1 10	A

GLAXO LABORATORIES, LTD. (from August 3)

Crystapen V tablets				
125 mgm.	12		8 0	R
	100		54 9	R
	500		258 9	R
	1,000		516 0	R
250 mgm.	12		14 9	R
	100		108 0	R
	500		514 6	R
	1,000		1,000 0	R
suspension 62·5 mgm./5 mils	60 mils		7 6	R
125 mgm./5 mils	60 mils		13 3	R

PETFOODS, LTD. (to trade from August 15; to public from September 18)

		6 Doz.		
Chappie		36 3	7½	R
		4 Doz.		
		45 0	1 2	R

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD. (to trade from August 3; to public from August 31)

Penitriad tablets	20		9 0	R
	250		90 6	R
Penvikal tablets				
125 mgm.	12		8 0	R
	100		54 9	R
	500		258 9	R
250 mgm.	12		15 0	R
	100		108 0	R
	500		514 6	R

UPJOHN OF ENGLAND, LTD.

		Each		
Albamycin tablets 250 mgm.	16	35 0	R	
	100	200 0	R	
syrup	2 fl. oz.	15 0	R	
Albamycin GU tablets	30	47 1	R	
	100	150 7	R	
Albamycin T tablets	16	32 1	R	
	100	187 1	R	

VICK INTERNATIONAL, LTD. [corrected note]

Milton antiseptic	80 oz.	12 0	16 0	A

WILCOX, JOZEAU & CO., LTD. (from August 4)

		Doz.		
Native'e Digita'ine tablets 1/600 gr.	200	108 0	R	
		Each		
	1,000	44 0	R	
		Doz.		
Natirose dragees*	50	60 0	R	8 9
Natisedine tablets*	20	60 0	R	8 9
		Each		
	100	22 6	R	

P.A.T.A. LIST

(Alterations notified by the Proprietary Articles Trade Association.)

AIRWICK, LTD.		Doz.		
Air-Wick domestic mist		47 2	4 11	R
BENGUE & CO., LTD. (from July 20)				
Bengue's balsam*	½ oz.	17 6	2 4	A
	1 oz.	27 6	3 8	A
Pyorex tooth-paste*		22 10	3 0	A
GRIMWADE RIDLEY & CO. (IPSWICH), LTD. (from July 10)				
Bagshaw's foot-rot dressing*		21 0	2 9	A
		35 0	4 6	A
		56 0	7 0	A
		217 0	28 0	A

ADDITIONS TO THE LIST

BRITISH COD LIVER OILS (HULL & GRIMSBY), LTD.				
Azymil capsules	30	42 0	5 0	
	60	80 0	9 6	
ELLIMAN SONS & CO., LTD.				
Elliman's medicated foot cream*	2 oz.	25 0	3 6	
C. E. FULFORD, LTD.				
Vitapointe cream‡		18 4	3 2	

TWO-PRODUCT DISPLAY: New wire display stand recently made available to chemists by Universal Laboratories, Ltd., Folkestone, Kent, for their specialities Daxaids and Dascote.

SMITH, KLINE & FRENCH LABORATORIES, LTD.

Tyrimide tablets* 5 mgm.	30	92 6	13 6	
		Each		
	250	57 10		

DELETIONS FROM THE LIST

CHRISTIE, GEORGE, & CO., LTD. Di-Meepol; Balmadren adrenaline cream; Drephabalm; adrenaline-ephedrine cream; Hexacream baby cream.

GLAXO LABORATORIES, LTD. Diphenatil tablets; Prepalin liquid; Styrion tablets.

NEW PRODUCTS AND PACKS

ABBOTT LABORATORIES, LTD.

62·5 CVK solution with sulphas	60 mils	5 10	8 9

M. BEETHAM & SON, LTD.,

		Doz.	
Teenage cream‡		21 0	3 9

BOOTS PURE DRUG CO., LTD.

Viules pethidine hydrochloride 150 mgm. 2 mils	6	Each 3 10	5 9
		Doz.	
Hepastab forte 2 mils	6	144 0	18 0
		Each	
	100	181 2	271 9

A. S. BROWN (MANFG.), LTD.

		Doz.	
Perfumette handbag " dispenser "‡		70 0	11 9

DISTILLERS CO. (BIOCHEMICALS), LTD.

		Each	
Distaquaine V-K suspension	60 mils	8 10	13 3

EUCRYL, LTD.

		Doz.	
Galloways baby cough linctus*		13 0	1 9

F. FARTHING & CO., LTD.

		Doz.	
Apiella royal jelly soap* bath tablet		32 0	4 2

MARCEL FRANCK & CO. (LONDON), LTD.

		Each	
Brumaire spray‡		69 9	139 6

GREENFORD CHEMICALS, LTD.

Medikit*			5 9

KIMBERLY-CLARK, LTD.

		Doz.	
New Kotex feminine towels	12	20 3	2 3

LANCOME (ENGLAND), LTD.

Cartouche lipstick refill‡	8	6
" Duet for Lips " lipstick container (empty)	8	6
" Givre " addition for lipsticks‡	14	6
" Blanc Brilliant " lipstick‡	8	6

LEDERLE LABORATORIES DIVISION, CYANAMID OF GREAT BRITAIN, LTD.

		Each		
Ledercort acetonamide ointment 0·1 per cent.	5 gm.	4 2	6 3	
	15 gm.	10 4	15 6	

MALLPAS, LTD. (distributors, **GRENVITE, LTD.**)

Mallpas tablets*	12		5 0

H. R. NAPP, LTD.

Caapi tablets* (new formula)			
		Doz.	
	12	18 0	2 5
	200	198 0	26 2

PHARMACEUTICAL MANUFACTURING CO.

Xylotox oral	2 mils		15 9

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Futurama refill‡	5	3
" Clean and Clear "‡ 2¼ oz.	7	6
" Colors Unlimited " nail enamel‡	5	0

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ROUSSEL LABORATORIES, LTD.

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Proctosedyl suppositories	48	36 0	
DexaCortisyl tablets 0.75 mgm.	20	22 9	
	100	108 0	
	500	525 0	

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		Doz.		
Phytocil cream*	tube	24 0	3 6	
powder* (puffer bottle)		37 8	5 6	

WILLIAM R. WARNER & CO., LTD.

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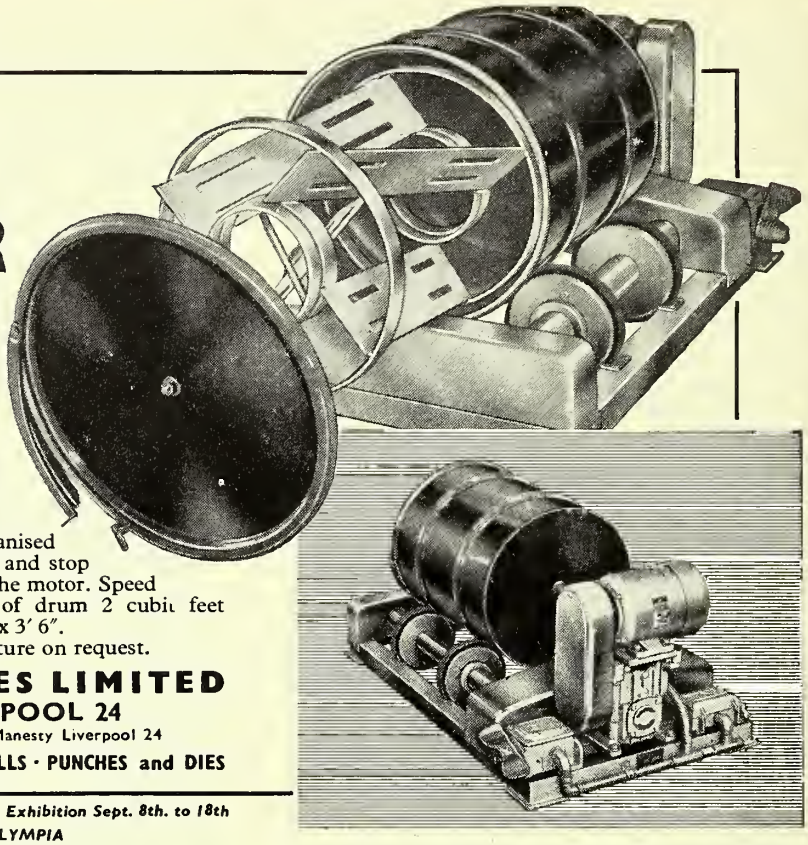

Complete mixing and blending of powders, etc., is obtained in a minimum of time by the unique design of the interchangeable paddle and rolling motion obtained from the revolving rubber tyred rollers which allow easy handling of the drums.

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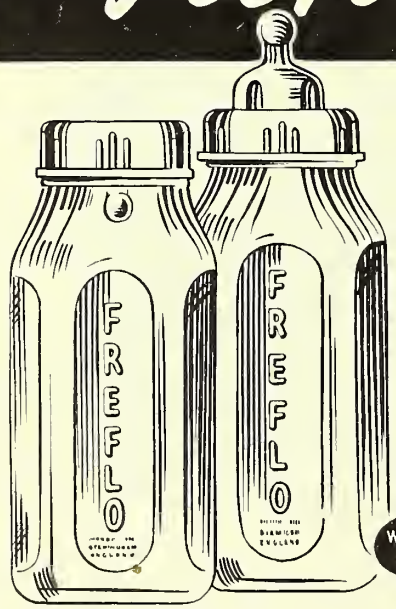

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Free showcards and leaflets

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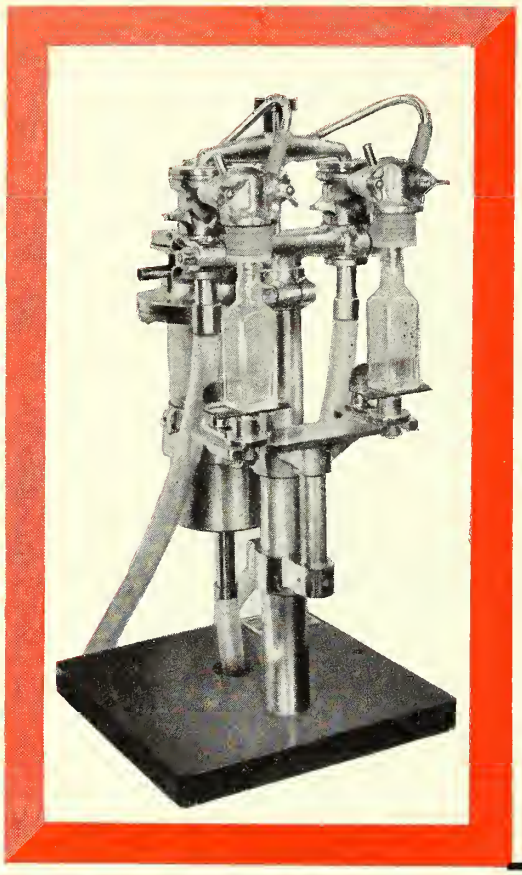

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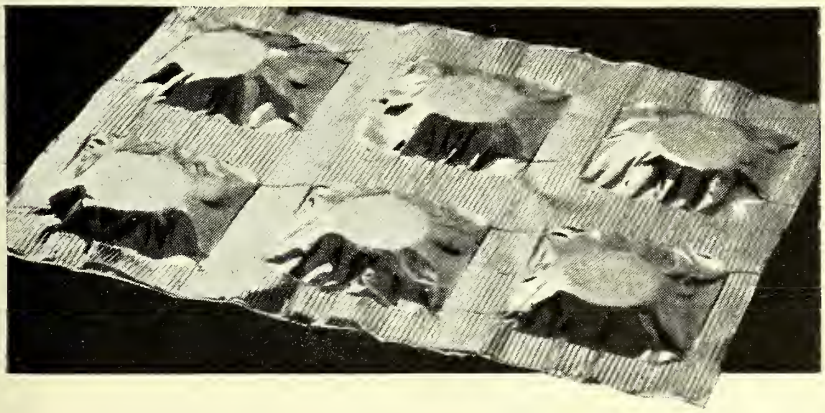

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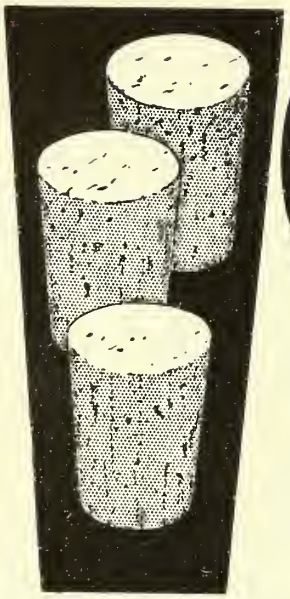

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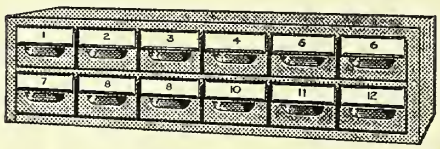

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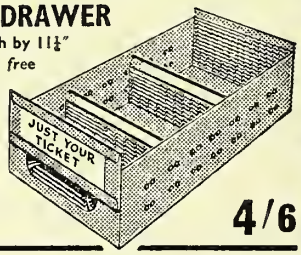

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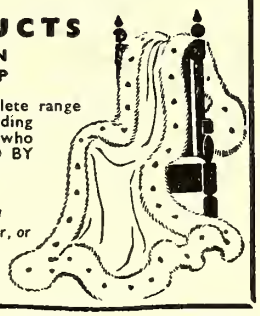

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Applications giving particulars of age, experience and qualifications, together with names of two referees to the Physician Superintendent, as soon as possible. C 417

CANADA

WANTED—Male or Female Pharmacist to act as Assistant Pharmacist in the dispensary of fully accredited, modern, 365-bed general hospital. Commencing salary $305.00 per month (equivalent in English pounds approximately £108 per month).

Apply: Mr. R. A. Jones,
Personnel Officer,
St. Thomas-Elgin General Hospital,
St. Thomas, Ontario, Canada
C 9542

CENTRAL MIDDLESEX HOSPITAL (Category V), PARK ROYAL, LONDON, N.W.10
Senior Pharmacist

Applications are invited for the post of Senior Pharmacist. Salary on the Whitley Council scale plus London Weighting and higher qualification allowance where applicable. Applications, together with the names of two referees, to be sent to the Medical Director as soon as possible. C 9474

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE
Senior Pharmacist and Pharmacist

for Bethnal Green Hospital. Modern department approved for training students. Salary scale, Senior Pharmacist £675—£865 p.a. Pharmacist £605—£815 p.a., plus higher qualification allowance and London Weighting. Please apply with details of age, training and experience to the Group Secretary, 213 Kingsland Road, London, E.2. C 344

GENERAL HOSPITAL, NOTTINGHAM
Locum Pharmacist

required immediately for the General Hospital and Eye Hospital.
Salary, £18 18s. per week.
Applications to the Group Secretary, General Hospital, Nottingham. C 473

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE, BETHNAL GREEN HOSPITAL, CAMBRIDGE HEATH ROAD, LONDON, E.2
Locum Pharmacist

required to cover periods of annual leave up to October 3 for three general hospitals. Salary up to 18 guineas per week. Please apply to Chief Pharmacist, Bethnal Green Hospital, Cambridge Heath Road, E.2. (Phone: Advance 3413). C 447

EVELINA CHILDREN'S HOSPITAL, LONDON, S.E.1
Assistant-in-Dispensing

required. Varied and interesting duties in pleasant department. Salary according to age, £255 p.a. at 19 to £395 p.a. at 22 or over, then rising by seven annual increments to £520. £20 additional for approved Diploma. Applications to Chief Pharmacist, Evelina Children's Hospital, of Guy's Hospital, Southwark Bridge Road, London, S.E.1. C 9556

HOSPITAL MANAGEMENT COMMITTEE No. 9—WAKEFIELD 'A' GROUP
Pharmacist

required at Clayton Hospital, Wakefield. Post suitable for newly qualified person as ample opportunity is provided to obtain a sound knowledge of hospital pharmacy. Salary £605 rising to £815 per annum. Conditions of service in accordance with Whitley Council Agreements.
Application forms obtainable from the Group Secretary, 113 Northgate, Wakefield. C 9562

ERNEST J. GEORGE & CO.

329 HIGH HOLBORN, LONDON, W.C.1. Telephone: HOLBORN 7406/7

Professional Valuers to the Pharmaceutical Trade.—Wholesale, Retail and Hospital Stocks, Branches throughout England and Scotland.

Appointments—Continued

EXETER & MID-DEVON HOSPITALS MANAGEMENT COMMITTEE
Pharmacist

ROYAL DEVON & EXETER HOSPITAL, EXETER (302 beds), invite applications for the post of Pharmacist, with duties at other Exeter Hospitals. Salary in the range £605 to £815 per annum. The appointment is subject to medical examination and National Health Service regulations. Applications, stating age, qualifications and experience (if any) with copies of two testimonials, to the Hospital Secretary. C 9560

HAMMERSMITH HOSPITAL & POST-GRADUATE MEDICAL SCHOOL, DU CANE ROAD, LONDON, W.12
Senior Pharmacist

required at above General Post-graduate Teaching Hospital (Category V) to supervise sterile products laboratory and take part in general work of the pharmaceutical department. Post offers wide variety of experience. Whitley Council salary scale and conditions. Detailed applications, naming two referees, to Chief Pharmacist as soon as possible. C 9539

HAREFIELD AND NORTHWOOD GROUP HOSPITAL MANAGEMENT COMMITTEE
Locum Chief Pharmacist (Category II)

required for Harrow and Wembley Hospital August 17 to 29, 1959, inclusive. Apply to Group Secretary, Mount Vernon Hospital, Northwood, Middlesex. C 9463

HAMMERSMITH HOSPITAL & POST-GRADUATE MEDICAL SCHOOL, DU CANE ROAD, LONDON, W.12
Pharmacist

required at above General Post-graduate Teaching Hospital (Category V). This is an increase in establishment. Varied work and good experience. Pleasant working conditions. Staff restaurant and canteen. Previous experience not essential. Whitley salary rate (commencing point according to experience) and conditions. Age, qualifications and experience to Chief Pharmacist as soon as possible. C 9444

HORTON HOSPITAL, EPSOM, SURREY
Chief Pharmacist

required at above hospital. Salary (Category II) commencing £755 and rising to maximum of £1,030 plus London weighting. Terms and conditions of employment in accordance with Whitley Council awards.

The post is superannuable and the person appointed will be required to pass a medical examination. Residential accommodation available for single women.

Applications stating age, qualifications, experience and names of two referees, should be submitted immediately to the Physician Superintendent of the Hospital. C 9531

HOSPITAL MANAGEMENT COMMITTEE No. 9—WAKEFIELD 'A' GROUP
Senior Pharmacist

required to take charge of small manufacturing and sterilising department in the Group Pharmacy at Clayton Hospital, Wakefield. Successful candidate will be required to undertake relief duties when necessary at one other hospital in the Group.

Salary scale £675 x £30 (1) x £35 (1) x £30 (3) x £35 (1)—£865 per annum with additional allowance of £25 per annum for possession of a qualification higher than Ph.C. New entrants to the Hospital Service commence at the minimum of the scale. Conditions of service in accordance with Whitley Council Agreements.

Application forms obtainable from the Group Secretary, 113 Northgate, Wakefield. C 9561

KING EDWARD VII HOSPITAL, WINDSOR (Category III Hospital)
Pharmacist

required immediately. Whitley salary. Applications with details of service and names of three referees to Secretary. C 9525

KING EDWARD VII's HOSPITAL FOR OFFICERS, BEAUMONT STREET, W.1
Part-time Pharmacist

required from October 1, 1959. Hours from 9 to 12 noon, five mornings, alternate Saturday mornings. Apply in writing with details of salary required to the Secretary. C 9524

KING EDWARD VII HOSPITAL, WINDSOR
Assistant-in-Dispensing

required at the end of August. Applications to Secretary with full particulars. C 9526

LAMBETH HOSPITAL, BROOK DRIVE, S.E.11
Locum Pharmacist

required. Salary by agreement. Telephone Chief Pharmacist. Reliance 3804. C 453

LAMBETH HOSPITAL, BROOK DRIVE, S.E.11 (Acute General—501 beds)
Senior Pharmacist and Pharmacist

required. Salary in accordance with Whitley Council scale, plus London Weighting. Applications stating age, experience, qualifications and names of two referees to the Secretary. C 442

LAMBETH HOSPITAL, BROOK DRIVE, LONDON, S.E.11 (Acute General—501 beds)
Deputy to the Chief Pharmacist

required. Salary in the Scale £700—£945 p.a. plus London Weighting, according to experience. Applications stating age, qualifications and experience and giving names of two referees to the Secretary. C 468

LAMBETH HOSPITAL, BROOK DRIVE (Acute General—501 beds)
Assistant-in-Dispensing

required. Whitley Council rates. Applications, stating age, experience and names of two referees to the Secretary. C 462

LEYTONSTONE (No. 10) HOSPITAL GROUP
Assistant-in-Dispensing

Applications are invited from persons holding the Certificate of the Society of Apothecaries of London, or an equivalent qualification, for the post of Assistant-in-Dispensing at Langthorne Hospital, Leytonstone, E.11.

Commencing salary according to age and experience, i.e., at age 22 £395 per annum rising by annual increments to a maximum of £510 per annum, plus London Weighting Allowance at the rate of £20 per annum, rising to £30 per annum at the age of 26 years. Additionally, a qualification allowance is payable at the rate of £20 per annum.

Application forms are obtainable from the Senior Medical Officer, to be returned as soon as possible. C 481

LEYTONSTONE (No. 10) HOSPITAL GROUP
Assistant-in-Dispensing

Applications are invited from persons holding the Certificate of the Society of Apothecaries of London, or an equivalent qualification, for the post of Assistant-in-Dispensing at Whipps Cross Hospital, Leytonstone, E.11.

Commencing salary according to age and experience, i.e., at age 22 £395 per annum rising by annual increments to a maximum of £510 per annum, plus London Weighting Allowance at the rate of £20 per annum, rising to £30 per annum at the age of 26 years. Additionally, a qualification allowance is payable at the rate of £20 per annum.

Application forms are obtainable from the Hospital Secretary, to be returned as soon as possible. C 479

LEYTONSTONE (No. 10) HOSPITAL GROUP
Locum Pharmacist

Applications are invited for the post of Locum Pharmacist (to work under Chief Pharmacist) at Langthorne Hospital, Leytonstone, E.11 (Category I Hospital). Salary £18 18s. per week. The hospital is situated near the Central Underground Line, within easy reach of Central London.

Applications to the Senior Medical Officer as soon as possible. C 477

LEYTONSTONE (No. 10) HOSPITAL GROUP
Part-time Pharmacist

(to work under Chief Pharmacist) required at Langthorne Hospital, Leytonstone, E.11.

Salary is at the rate of £1 14s. 4d. for each four-hour session. Applications to the Senior Medical Officer as soon as possible. C 476

LEYTONSTONE (No. 10) HOSPITAL GROUP
Pharmacist

Applications are invited for the post of Pharmacist at Whipps Cross Hospital, London, E.11 (Category V Hospital).

The hospital is ideally situated, being on the Central Underground Line within 20 minutes of Central London.

Application forms from the Hospital Secretary to be returned as soon as possible. C 478

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1
Locum Assistant-in-Dispensing

required immediately for an indefinite period. Whitley Council salary and conditions of service. Further particulars can be obtained from the Chief Pharmacist (Tel.: Stepney Green 4251) to whom applications should be sent as soon as possible. C 9456

METROPOLITAN HOSPITAL, KINGSLAND ROAD, LONDON, E.8
Locum Pharmacist

required to work in a modern department. Apply to Hospital Secretary. C 445

MILE END HOSPITAL, BANCROFT ROAD, LONDON, E.1
Locum Pharmacist

required immediately for an indefinite period. Salary by arrangement. Further particulars may be obtained from the Chief Pharmacist (Tel.: Advance 2873). C 9485

NORTH STAFFORDSHIRE ROYAL INFIRMARY, STOKE-ON-TRENT
Pharmacist (M.P.S.)

required. Salary in accordance with Whitley Scale.

Applications to Hospital Secretary as soon as possible. C 9510

NORTH WIRRAL HOSPITAL MANAGEMENT COMMITTEE, VICTORIA CENTRAL HOSPITAL, WALLASEY
Senior Pharmacist

Applications are invited for the above appointment.

Salary and conditions of service in accordance with Pharmaceutical Whitley Council Committee "C."

Applications, with full details of experience, etc., together with names and addresses of three referees, to the Administrative Officer. C 9543

NOTTINGHAM GENERAL HOSPITAL, PARK ROW, NOTTINGHAM
Senior Pharmacist

required for the Sterile Products Unit. C 9548

OAKWOOD HOSPITAL, MAIDSTONE
Assistant-in-Dispensing

(full- or part-time) required at the above hospital. Salary at appropriate rate as laid down by the Ministry of Health. Applications stating age, qualifications, full details of experience and the names of two referees to be sent to the Secretary as soon as possible. C 9549

ROYAL BERKSHIRE HOSPITAL, READING
Pharmacist (Category V)

Vacancy in well-established group pharmaceutical department for Pharmacist seeking wide experience. Ability rewarded by promotion within Group. Full establishment of supporting staff. Applications to Group Pharmacist. C 472

Appointments—Continued

SEAMEN'S HOSPITALS MANAGEMENT COMMITTEE
Locum Pharmacist
required at Dreadnought Hospital, S.E.10, from 24th August for three weeks. Salary 18 guineas per week. Apply with particulars of previous experience to House Governor, Dreadnought Hospital, Greenwich, S.E.10. C 9559

ST. FRANCIS HOSPITAL, HAYWARDS HEATH, SUSSEX
Pharmacist
Applications are invited from Registered Pharmacists for the post of Pharmacist (non-resident). Salary and conditions of service will be in accordance with recommendations of the Pharmaceutical Whitley Council. The appointment is subject to passing a medical examination (except in the case of a transferred officer) and to the provisions of the National Health Service (Superannuation) Regulations. Applications in writing stating age, experience, together with the names of two referees to be forwarded to the Secretary to the H.M.C., St. Francis Hospital, Haywards Heath, Sussex. C 9534

SOUTH LONDON HOSPITAL FOR WOMEN AND CHILDREN, CLAPHAM COMMON, S.W.4 (Acute General, 254 beds)
Senior Pharmacist
required, part-time. Applications stating age, qualifications, experience and names of two referees to the Secretary. C 469

ST. MARK'S HOSPITAL, CITY ROAD, LONDON, E.C.1
Locum Pharmacist
required for three weeks from August 17. Salary 18 gns. per week. Applications to Secretary. C 9516

STEPNEY GROUP HOSPITAL MANAGEMENT COMMITTEE, MILE END HOSPITAL, BANCROFT ROAD, LONDON, E.1
Deputy Chief Pharmacist (Category IV)
Applications are invited for the above post. Commencing salary £700 p.a. rising by annual increments to £945 p.a. plus London Weighting. Whitley Council conditions of service. Further particulars may be obtained from the Chief Pharmacist (Tel.: Advance 2873). Applications stating age, qualifications, experience and the names of two referees, to be sent to the Group Secretary at above address. C 9486

STERILE PRODUCTS UNIT, GENERAL HOSPITAL, NOTTINGHAM
Senior Pharmacist
Applications are invited for the appointment of Senior Pharmacist to take charge of, and develop the new Sterile Products Unit, now nearing completion, at the General Hospital, Nottingham.
Detailed information may be obtained from the Chief Pharmacist.
Applications stating age, qualifications and experience, particularly in the preparation of Sterile Products, to be sent to the Group Secretary, General Hospital, Nottingham. C 9519

ST. MARK'S HOSPITAL, CITY ROAD, LONDON, E.C.1, POST-GRADUATE TEACHING HOSPITAL
Pharmacist
Applications invited for the above post at this surgical hospital (rectal and colonic). Whitley salary scales £605—£815 plus London Allowance. Additional £25 if holding higher qualifications. Service in retail pharmacy, etc., taken into account in deciding commencing salary. Detailed applications, naming two referees, to Secretary. C 9517

ST. MARY'S HOSPITAL, CHILDREN'S DEPARTMENT, PRINCESS LOUISE KENSINGTON HOSPITAL FOR CHILDREN, ST. QUINTIN AVENUE, W.10
Pharmacist
required. Whitley Council salary and conditions. Applications to Secretary, from whom further particulars can be obtained. C 9473

ST. MARY ABBOTS HOSPITAL, MARLOES ROAD, KENSINGTON, W.8
Pharmaceutical Staff, including Assistant-in-Dispensing
urgently required. Permanent or locum capacity. National salary scales. Hospital conveniently situated near Kensington High Street and Earls Court. Applications to Hospital Secretary (121-C. & D.) immediately (Western 8201). C 9509

ST. STEPHEN'S HOSPITAL, CHELSEA, S.W.10
Assistant-in-Dispensing
required immediately. Terms by arrangement. Apply Chief Pharmacist. C 9552

THE UNITED BIRMINGHAM HOSPITALS, THE QUEEN ELIZABETH HOSPITAL, EDGBASTON, BIRMINGHAM, 15
Chief Pharmacist
Applications are invited for the post of Chief Pharmacist to this hospital from suitably qualified persons of wide experience. The appointment is subject to Pharmaceutical Whitley Council conditions of service. Salary—Category IV Hospital £880 rising to £1,220 per annum. The post also carries the appointment of demonstrator in Practical Pharmacy to the University of Birmingham with an honorarium of £100 per annum, and a nominated Medical Teaching Hospital allowance of £71 per annum. Applications stating age, qualifications and experience together with the names and addresses of two referees to be sent immediately to the House Governor. C 9553

TOOTING BEC HOSPITAL, TOOTING BEC ROAD, S.W.17
Locum Pharmacist
required. Salary by arrangement. Accommodation can be made available in the Male or Female resident homes, at moderate cost if required. Apply to the Chief Pharmacist. C 460

TONE VALE HOSPITAL, NORTON FITZWARREN, Nr. TAUNTON
Assistant-in-Dispensing
required. Previous experience in pharmaceutical work essential. Whitley Council rates of pay and conditions of service. Present salary scale for persons aged 22 years or over £395 x £15 (5) x £20 (2)—£510 per annum, plus an additional £20 if in possession of an approved Certificate. Applications giving details of age, experience, etc., together with the names and addresses of two referees, should be sent to the Group Secretary. C 9508

WEST MIDDLESEX HOSPITAL, ISLEWORTH, MIDDLESEX
Senior Pharmacist
required, Category V hospital. Interesting position offering good experience. Apply to the Chief Pharmacist. C 474

WEST MIDDLESEX HOSPITAL, ISLEWORTH, MIDDLESEX
Assistant-in-Dispensing
required in Pharmaceutical Department for varied duties. Salary £395 per annum at age 22, rising to £510, plus London Weighting (additional payment of £20 per annum for suitable qualifications).
Apply giving names of two referees to the Chief Pharmacist. C 480

EDUCATIONAL

PLYMOUTH AND DEVONPORT TECHNICAL COLLEGE, DEPARTMENT OF PHARMACY
Required, Lecturer in Pharmaceutical Chemistry. Candidates should possess the Pharmaceutical Chemists Diploma and/or a Degree in Science or Pharmacy or equivalent qualification. Salary in accordance with the Burnham Technical Report:—
Lecturer (man) £1,200 to £1,350 plus 5 per cent.
Lecturer (woman) £960 to £1,080 plus 5 per cent. (plus equal pay increments).
Forms and particulars may be obtained from the Clerk to the Governors, Education Office, Plymouth (stamped-addressed envelope) and should be returned as soon as possible. C 9545

UNIVERSITY OF SYDNEY
Chair of Pharmaceutical Chemistry
Applications are invited for the Chair of Pharmaceutical Chemistry. This is a new position arising from the establishment by the University of a three-year degree course in Pharmacy. Salary will be at the rate of £A3,750 per annum, plus cost of living adjustment. There is a retirement provision under the Professorial Superannuation Scheme and in addition a pension of not less than £A400 per annum upon retirement after the age of 60 years.
Under the Staff Members' Housing Scheme, in cases approved by the University and its Bankers, married men may be assisted by loans to purchase a house.
The Senate reserves the right to fill the Chair by invitation.
A statement of conditions of appointment and information for candidates may be obtained on application to the Secretary, Association of Universities of the British Commonwealth, 36 Gordon Square, London, W.C.1.
Applications close in Australia and London on 26th September, 1959. C 9557

HEALTH CENTRE

HEALTH CENTRE, SIGHTHILL, EDINBURGH
Pharmacist
Applications are invited for the above post. The salary will be in accordance with the revised Whitley Council scale—£605 rising to £815—per annum. The appointment will be subject to the Whitley Council conditions of service and the National Health Service (Scotland) (Superannuation) Regulations. Canvassing disqualifies. For further particulars and form of application apply to the Clerk, Edinburgh Executive Council, "Drumsheugh House," 37A Drumsheugh Gardens, Edinburgh, 3, with whom applications should be lodged within ten days of the appearance of this advertisement. Envelopes should be marked "Pharmacist Health Centre." C 9538

SITUATIONS VACANT

RETAIL (HOME)

BIRMINGHAM: Pharmacist required to take charge busy dispensary. Lady or gentleman. Rota one in five. Excellent staff. Salary £20 p.w., and an unfurnished flat. Box C 2335.

BRANCH MANAGER PHARMACIST. A branch manager/manageress Pharmacist required for suburban branch. Wages, plus emoluments, in excess of £1,000 per annum. Possibility of housing accommodation being arranged. Applications in writing giving full details of age, experience, etc., to the Personnel Manager, Portsea Island Society, 110 Fratton Road, Portsmouth. C 470

DONCASTER: Chemists (male or female) required for branches near Doncaster. Pension scheme, 44-hour week, no rota duties, salary is on scale approximately £1,000 per year. Applications to Superintendent Chemist, Doncaster Co-operative Chemists, St. Sepulchre Gate, Doncaster. C 2308

OLDHAM CO-OPERATIVE CHEMISTS, LTD., invite applications for position of pharmacy branch manager, either sex. Modern accommodation available if necessary. Superannuation. Salary and other emoluments at least £960. Applications, stating age, experience, etc., to Oldham Co-operative Chemists, Ltd., King Street, Oldham. C 454

PETERBOROUGH. Pharmacist required to supervise our main pharmacy. Inclusive salary to commence £1,150 per annum. House available at a reasonable rent. Pleasant locality. Excellent conditions of employment. Superannuation with Transfer Clause. Interview at our expense by appointment. Please forward usual details to Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough. C 2342

PHARMACIST. Lady or gentleman. Average 38-hour week. No Sundays. Saturday half-day alternate weeks. Salary £1,092 per annum. Particulars to: Ivor Jones (Liverpool), Ltd., 374 Park Road, Liverpool, 8. C 2310

PHARMACIST required as Branch Manager for shop 3 minutes from Victoria Station, London. Average dispensing, family trade. No rota or Sunday duty, early closing Thursday. Write Superintendent, Box C 2333.

OCTOBER OPPORTUNITY

In that month a leading pharmaceutical Company is offering a two-year training period in medical representation to men with pharmaceutical or medical background or proved selling ability in similar fields.

The men who will be accepted for this training will join a Field Force that enjoys good salary and good conditions, that works hard to earn the right to be treated as individuals inside that Force.

Enquiries are also invited from experienced and qualified men to fill vacancies in various parts of the U.K.

If this sounds like *your* October Opportunity write for application form to: The Sales Training Officer,

BAYER PRODUCTS LIMITED

NEVILLE HOUSE, 55 EDEN STREET, KINGSTON-UPON-THAMES, SURREY

C 9550

Pfizer

Senior Pharmacist

Because of the continued extension of Pfizer activities in the pharmaceutical, veterinary and animal nutritional fields, the Company now seeks a Senior Pharmacist for its Pharmaceutical Development Laboratory.

Applicants for this important position should already have had several years' experience of pharmaceutical formulation and development. The salary will reflect the successful applicant's ability and experience.

The Senior Pharmacist will join the Company's non-contributory Pension and Life Assurance Scheme. He will work a five-day week and his removal expenses to his choice of residence in East Kent will be paid.

Applications should be made to the:—

Staff Recruitment Officer,

PFIZER LTD.,

Folkestone, Kent.

THE PFIZER GROUP

C 9513

Pfizer

Medical Representatives

If you are interested in taking up medical representation and have a pharmaceutical or medical background let us have your application for one of the following areas :—

Yorkshire West Riding
West London
Central London
Oxfordshire

The successful applicants will receive :—

(a) **Comprehensive training**
(b) **Generous starting salary and bonus**
(c) **Non-contributory Pension**
(d) **Company car and expenses**
(e) **Removal expenses**

Applications, stating age, experience, etc., should be made in writing to : The Sales Manager,

PFIZER LIMITED, FOLKESTONE, KENT

THE PFIZER GROUP

C 9564

ONTARIO, CANADA

Pharmacist, Assistant Manager, Retail Store, Permanent Position. Salary £1,400 to start. Would consider repayable loan for air passage, if available by September 1st. Age not over 55 years.

STANDARD DRUG LIMITED, LONDON, ONTARIO, CANADA

C 2345

HOSPITAL SALES REPRESENTATIVE

EVANS MEDICAL have a vacancy for a sales representative to call on hospitals in Lancashire and Yorkshire. Experience of hospital pharmacy desirable. Car provided, pension scheme. Write giving full details of career to Home Sales Director,

EVANS MEDICAL LTD., SPEKE, LIVERPOOL, 24.

C 9518

Situations Vacant—Continued

QUALIFIED LADY or young man required as soon as possible to manage branch business. Reliable staff and every help and encouragement given. Pension scheme available if desired. Good salary and rota fees, progressive. Applicants from N. Ireland welcomed. Apply W. H. Hampton, Ltd., 47 Northgate Street, Gloucester. C 2334

RECENTLY qualified Pharmacists, excellent salary and future prospects. Write E. T. S. Steel, PC., "West Shore," Hythe, Southampton, Hants. C 2319

SCOTLAND. Required shortly, pharmacist (male or female) with energy and initiative to set up and develop shop now building in attractive and growing West Stirlingshire village. Small flat above. Applications giving details previous experience, age, salary required to Box C 2353.

SOUTHPORT. Unqualified lady or gentleman required for dispensing and counter duties. A knowledge of cosmetics and photography useful. Supporting staff. Attractive salary to the right person. Apply giving full particulars, experience, age, etc., to J. H. Vose, 57 Station Road, Ainsdale, Southport, Lancs. C 2359

SUTTON COLDFIELD. John Frost, Ltd., require the services of a pharmacist to superintend the dispensary, private and N.H. dispensing. Delightful working conditions. The position calls for a pharmacist with up-to-date knowledge of ethicals, ability to discuss technicalities and a flair for development. Salary in accordance with experience. Apply in writing giving full particulars. C 2343

RETAIL (OVERSEAS)

PHARMACIST, 25 to 35 years, required by large Drug Store in Bermuda. Salary and commission guaranteed minimum of £25 weekly. Passage paid to Bermuda on three year contract. Living accommodation at applicant's expense guaranteed. Bermuda has no Income Tax. Write giving full details of age, experience, and state whether married or single. Strictly confidential. Edmund Gibbons, Ltd., c/o Gibbons Co., Ltd., Empire House, St. Martins-le-Grand, London, E.C.1. C 9535

WANTED male or preferably female pharmacist to manage up-country pharmacy. For details apply Dr. Meuschke, Iringa/Tanganyika, P.O.B. 129. C 2344

WHOLESALE

APPLICATIONS are invited by a well-known firm of manufacturing veterinary chemists from pharmacists for the post of Production Manager. Manufacturing experience an advantage but not essential. Salary in accordance with qualifications and experience. Applications in writing with details of qualifications and experience to: The Secretary, Osmond & Sons, Ltd., Grimsby, Lincolnshire. C 2322

ASSISTANT TO CHIEF PHARMACIST. An interesting and varied job of production awaits a pharmacist in a busy factory in London. He will be responsible under the Chief Pharmacist for the manufacture of a number of well-known pharmaceutical, medicinal, toilet and cosmetic products. This position will interest young energetic pharmacists with a flair for organisation and who have preferably had some experience of commercial manufacture. The successful applicant can look forward to steady progress. Good salary by negotiation. Non-contributory pension scheme. Full details of experience in first letter, please, to Box C 9459.

ASSISTANT TO CHIEF PHARMACIST. An interesting and varied job of production awaits a pharmacist in a busy factory in London. He will be responsible under the Chief Pharmacist for the manufacture of a number of well-known pharmaceutical, medicinal, toilet and cosmetic products. This position will interest young energetic pharmacists with a flair for organisation and who have preferably had some experience of commercial manufacture. The successful applicant can look forward to steady progress. Good salary by negotiation. Non-contributory pension scheme. Full details of experience in first letter, please, to Box C 9554.

BY THE UNEXPECTED DEATH of their representative, Messrs. Philip Harris, Ltd., urgently require a gentleman to take over established territory in the south-west counties of England. Candidates, who should be between 25 and 40 years of age, need not be pharmacists but should have a sound pharmaceutical background. Experience of calling on the medical profession as well as the retail chemist would be an advantage. Remuneration by salary and commission. All expenses are paid and a company car provided. Replies to Staff Director, Philip Harris, Ltd., Edmund Street, Birmingham. C 9511

CHEMIST representative in the Midlands, Evans Medical, Ltd., have a vacancy for a representative to call on chemists in south Birmingham, Coventry, Northamptonshire. Car and expenses provided. Pension scheme in operation. Apply giving full details to the Managing Director, Evans Medical (Midlands), Ltd., Kingswinford, Brierley Hill, Staffs. C 9544

DUNCAN FLOCKHART RESEARCH LABORATORIES invite applications from pharmacists with experience in formulation development and interest in production techniques, for a post in their laboratories. The successful applicant will be given ample scope for initiative and originality in an expanding programme. Pension scheme, five-day week. Applications in writing addressed Duncan Flockhart Research Laboratories, 16 Wheatfield Road, Edinburgh, 11, marking envelope, "Development." C 9468

JOHN BELL, HILLS & LUCAS, LTD., Oxford Works, Worsley Bridge Road, S.E.26, require representative calling on chemists in Home Counties. Good salary, expenses, car and pension scheme. Applications to Managing Director. C 9503

MEDICAL COPYWRITER

If you can create ideas and write first-class copy for front-rank ethical pharmaceutical and medical products . . . if you also have, or want experience in other technical and consumer product copywriting as well . . . if you're about 30 with an eye to the future, there's an important vacancy that would satisfy your ambitions with a West End advertising agency with internationally famous clients. Apply at once with fullest details in strict confidence to Box C 9566.

IMPERIAL CHEMICAL INDUSTRIES, LTD., Pharmaceuticals Division. Medical Representative. Imperial Chemical Industries, Ltd., is increasing its sales forces by appointing an additional Medical Representative in Scotland and applications are invited from men up to 35 years of age with a sound pharmaceutical or medical background. The successful candidate will receive an initial period of training or there will be additional training if he lacks experience of Medical Representative work. Applications with full particulars should be addressed to the Staff Manager, Imperial Chemical Industries, Ltd., Pharmaceuticals Division, Fulshaw Hall, Wilmslow, Cheshire. C 9464

NORTHERN IRELAND

EVANS MEDICAL have a vacancy for a representative (unqualified) to call on chemists in Northern Ireland. Age limit 40. Commission scheme; car provided; pension scheme; please write giving full details of career to:—General Manager, Evans Medical (N.I.), Ltd., 99/105 Ravenhill Avenue, Belfast. C 9529

OLD-ESTABLISHED City Company proposing to market new range of Continental tablet and powder strip-packaging equipment requires representative, age 25/35, personable, well-educated, with technical experience and pharmaceutical and food industries connection. Guaranteed four-figure income is visualised, with practical training in Europe. Must be initially prepared to travel extensively within U.K. Write in confidence for appointment, stating full personal details, education, business career, salaries earned and availability to Mr. D. T. Davies, Box C 9536.

PHARMACEUTICAL CHEMIST

We are looking for a pharmaceutical chemist or graduate in pharmacy, who should preferably be around 30 years of age and have had several years' experience in industry. The person appointed will be engaged in general pharmaceutical operations, including formulation of products and some routine analysis, and will work in close liaison with the manufacturing departments. The conditions of employment are good, and include a 5-day week and canteen facilities. It is the Company's policy to permit publication of suitable work. Applications, giving full details of career to date, together with salary received/expected, should be addressed to the Chief Chemist, Martin & Martin, Ltd., 61/9 Hoghton Street, Southport, Lancashire. C 9565

British Schering Manufacturing Laboratories, Ltd.,
require an experienced
TABLET COATER

Applicants must have a good working knowledge of large-scale coating technique. Assistance with removal expenses if required. Five-day week, sick pay scheme, good canteen facilities.
Applications in writing giving full details of age and experience to Personnel Officer, British Schering Manufacturing Laboratories, Ltd., Macclesfield Road, Hazel Grove, Stockport, Cheshire. C 9514

Situations Vacant—Continued

ONE OF THE LEADING PHARMACEUTICAL COMPANIES

expanding its promotional activities with consultants wishes to engage a number of

Consultant Representatives

One of these appointments will be made in the London area and the others in other parts of the U.K.
Candidates will preferably be between the ages of 25 and 35 and should have several years' experience in this highly specialised type of representation. Salary will be commensurate with the importance of the appointment. There is a contributory superannuation scheme with free life assurance. A company car will be provided and all expenses paid.
Only those candidates considered for interview will have their applications acknowledged.
Fullest details of background and career to date should be sent in the first communication to: Dept. C.D., Box C 9520.

OPTREX, LIMITED, require a representative for North-east territory. Age 25/40, with record of successful selling to retailers in the pharmaceutical trade. Must reside or be prepared to reside in Yorkshire. The position carries salary, commission and expenses, and a car is provided; contributory pension after qualifying period. Written applications only, with details of age, education, experience to date in chronological order and present remuneration, to Sales Manager, Optrex, Limited, Wadsworth Road, Perivale, Middlesex. C 9547

PHARMACIST OR CHEMIST

aged about 22 to 32 to train as Assistant to Works Manager of Essence Compounding and Essential Oils Distillery. Some experience in large quantity compounding and control of labour would be an advantage. Pension scheme in operation. Applicant to give particulars of education, training, experience and indicate approximate salary required in confidence to The Director, Box C 2306.

PHARMACEUTICAL MANUFACTURE. A vacancy occurs in well-established London Company for an energetic man to assist in the production of well-known pharmaceutical and toilet preparations. Pharmaceutical qualification not essential. The successful applicant will work in a friendly atmosphere and will have the support and guidance of a fully qualified management and the help of trained operatives. Non-contributory pension scheme. Five-day week. Good salary. Canteen facilities. Give full particulars of experience and age to Box C 9458.

REPRESENTATIVE with an established connection with hospitals, institutions, municipal and pit head baths, etc., required to sell, in bulk, an iodised detergent of particular interest to these bodies. Applications, with full information, should be made in the first instance to Box C 2352.

SALES MANAGER

MEGGESON & CO., LTD., require a Sales Manager. A pharmaceutical qualification is desirable, coupled with a connection with principal wholesalers and multiples, experience in operation of a sales office and development work. Superannuation Fund available. Write details experience, age and salary required to Managing Director, Meggeson & Co., Ltd., Llewellyn Street, London, S.E.16. C 475

WELL-KNOWN reputable London Manufacturing Chemists invite applications from young science graduates and pharmacists for research and development work in their manufacturing laboratories and injection product department. The positions are suitable for candidates who have recently passed their qualifying examination, and offer attractive prospects on the managerial side following a period of initial training. Applications with full particulars of previous experience and salary required should be addressed to Box C 9521.

WHOLESALE (OVERSEAS)

A VACANCY will shortly occur for pharmacist with British qualification as branch manager with British company in West Africa. Age under 35 years, preferably single. Progressive salary. Tours of eighteen months. Leave on full pay. Contributory pension scheme. Low income tax. Passage paid out and home. Free furnished accommodation in West Africa. Initial kit allowance. Reply giving full details age, experience, etc., to Box C 2354.

INDIA. British pharmaceutical manufacturers require single man with pharmaceutical or chemical qualifications for position of responsibility in their Indian subsidiary. Initial period of approx. 18 months. Terms according to qualifications. Box C 9541.

REPRESENTATIVE required in East Africa by old-established European wholesale chemists and druggists to detail ethical products. Previous experience highly desirable. Salary and conditions depend on applicant's qualifications. Write fully in first instance to Box Z.R.475, Deacon's Advertising, 36 Leadenhall Street, E.C.3. C 9558

AGENTS WANTED

AGENTS required in all areas of the U.K. with connections photographic chemists. New and already fast-selling line showing 10 per cent. commission. Please supply details other lines carried and territory covered. Box C 2349.

FREE LANCE agent required for brand new and revolutionary medicated confectionery line, already marketed successfully throughout Europe. Only gentlemen with well-established connections with wholesalers and chains need apply to Box C 2355.

SOLE AGENT wanted. Areas: Yorks; Lancs and Ches; Midlands. Connections Chemists and Stores. To sell new French toilet perfume. Popular price and immediate appeal. Big retail profit. Nationally advertised. Good commission. References essential. Box C 2331.

SITUATIONS WANTED

RETAIL (HOME)

PHARMACEUTICAL CHEMIST, male, B.Sc., M.P.S.N.I., seeks permanent position in England from mid-September. Reply, stating terms of employment and salary offered to Box C 2358.

WHOLESALE

CAMBRIDGE B.A. (Physiology and Italian) bilingual Italian, age 27, with working knowledge of French and German seeks post with scope with pharmaceutical firm. Box C 9532.

EXPERIENCED SALESMAN, 25 years, well-educated with five years' pharmaceutical sales experience, seeks opening in pharmaceutical industry. Fluent German-English. Prepared to travel. Current driving licence. Prospects more important than salary to commence. Box C 2346.

SURGICAL APPLIANCES. Man aged 31. Good experience of surgical work, desires similar post. Full or part-time. Box C 2356.

WHOLESALE (OVERSEAS)

EAST OF SUEZ, Chemist-cum-Sales Manager, world-wide experience, at present managing Chemical and Pharmaceutical Departments in Hong Kong, seeks similar position or as representative for first-class manufacturers, Hong Kong, or elsewhere in Far East. Box C 2347.

BUSINESS OPPORTUNITIES

AN INDIAN FIRM is interested to enter into arrangements with British firms whose products have a ready market to manufacture and distribute their products in India. Contact firm's local representative, care Chemist and Druggist, Box 2348.

ENGLISH pharmaceutical firm with small team of medical representatives in Greater London, Lancashire and Scotland offers shared medical representation. No more than three products will be considered. Replies in strictest confidence to Box C 9555.

ENERGETIC and enterprising business man with good knowledge of toiletry, cosmetics and sundries, wishes to meet qualified chemist with existing business, with a view to expansion. Ample funds available. All replies treated in strictest confidence. Write Box C 2321.

OLD-ESTABLISHED wholesale firm dealing in the manufacture and processing of medical and laboratory glass and druggist's sundries desire to sell benefit of valuable connections and trade plant and utensils. Reasonable price asked and fullest particulars available to bona fide enquiries. Box C 2357.

WANTED

BUYER specialises in disposing of job lots of any lines appertaining to pharmacy. Any quantity considered. Prompt cash settlement. Willing to discuss adaptation of any line which is not quite suitable in its present state. Please send samples and full details to N. Morris, 218 Walworth Road, S.E.17. Tel.: No.: ROD. 7261. C 395

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6-GALLON Staybrite stainless steel containers 16 in. x 11 in. x 11 in., tapering sides, rounded corners, double lid. Originally £12 each, to clear 30/- each for quantity, further reduction for large order. 25-gallon S.S. Tanks 28 in. x 8 in. x 30 in. deep, open top. To clear £5 each. L. Solloman, Ltd., Beaufort St., Manchester, 3. BLA. 4571 or 0986. C 2350

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The Proprietors of Patent No. 745414 desire to enter into arrangements by way of licence or otherwise on reasonable terms to ensure its full development and commercial working in this country.
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SHELF UNITS. 6 shelves per unit. Ideal for storage. 75H x 36W x 12D at 75/- each. 75H x 36W x 15D at 84/- each. 75H x 36W x 18D at 89/- each. James Bedford & Co. (Hx.), Ltd., Sowerby Bridge, Yorks. C 2351

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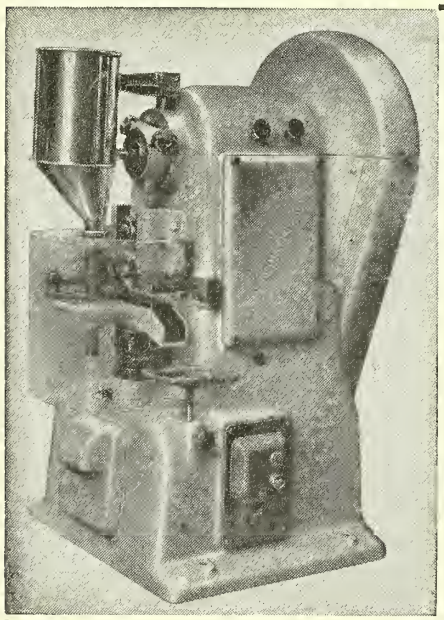

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The CHEMIST AND DRUGGIST
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